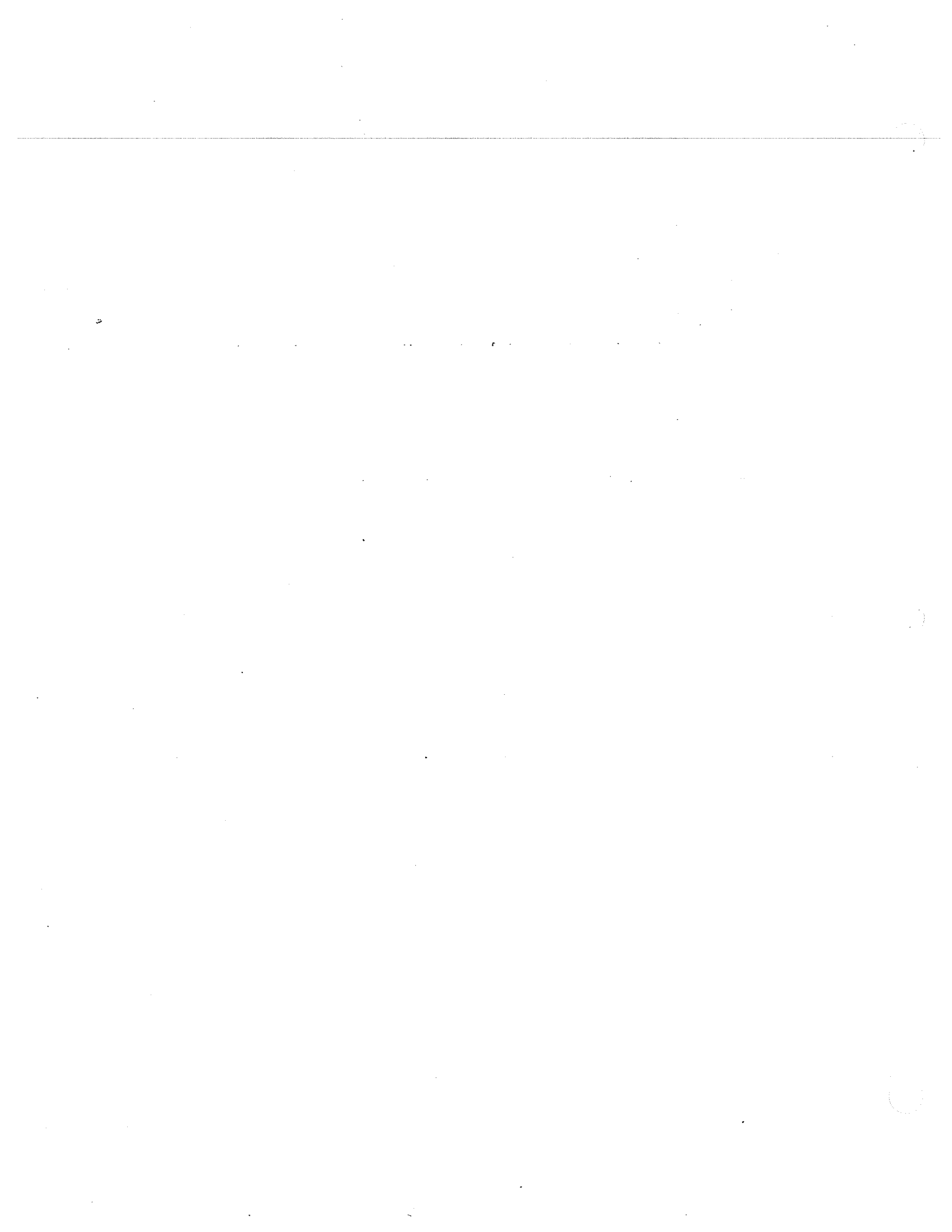


3rd Grade Math

Module 7

**Shapes,
Measurements,
and More**



Lesson 1
G:3 M:7

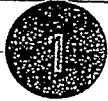
Problem Patrol

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: Class: _____

Key



The sign shows information about tickets for the Wildlife Zoo. Lena's family buys 2 adult tickets and 3 child tickets for the zoo.



How much does it cost Lena's family to go to the zoo?

DRAW

$$2 \text{ adults} - \begin{array}{|c|} \hline \$8 \\ \hline \end{array} \begin{array}{|c|} \hline \$8 \\ \hline \end{array} = 16$$
$$3 \text{ children} - \begin{array}{|c|} \hline \$4 \\ \hline \end{array} \begin{array}{|c|} \hline \$4 \\ \hline \end{array} \begin{array}{|c|} \hline \$4 \\ \hline \end{array} \begin{array}{r} = 12 \\ + \\ \hline 28 \end{array}$$

SOLVE

$$8 + 8 + 4 + 4 + 4 = \$28$$



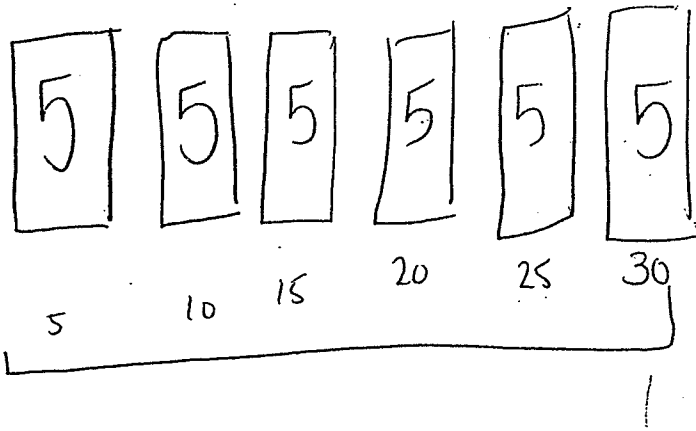
2

Lena's mom pays for the tickets with \$5 bills. She receives \$2 in change.

How many \$5 bills does Lena's mom use to pay for the tickets?

DRAW AND SOLVE

\$ 28



$$\begin{array}{r} 2 \times 10 \\ 35 \\ - 28 \\ \hline 2 \end{array}$$



Name _____

Date _____

Lena's family visits Little Tree Apple Orchard. Use the RDW process to solve the problems about Lena's visit to the orchard. Use a letter to represent the unknown in each problem.

1. The sign below shows information about hayrides at the orchard.

Hayrides

Adult ticket \$7

Child ticket \$4

Leaves every 15 minutes starting at 11:00.

Key

a. Lena's family buys 2 adult tickets and 2 child tickets for the hayride. How much does it cost Lena's family to go on the hayride?

$$\begin{array}{r}
 \boxed{7} + \boxed{7} + \boxed{4} + \boxed{4} = \begin{array}{r} 14 \\ + 8 \\ \hline 22 \end{array} \quad \boxed{\$22}
 \end{array}$$

b. Lena's mom pays for the tickets with \$5 bills. She receives \$3 in change. How many \$5 bills does Lena's mom use to pay for the hayride?

$$\begin{array}{r}
 \boxed{5} \quad \boxed{5} \quad \boxed{5} \quad \boxed{5} \quad \boxed{5} \\
 1 \quad 2 \quad 3 \quad 4 \quad 5
 \end{array}
 \quad
 \begin{array}{r}
 25 \\
 - 22 \\
 \hline
 3
 \end{array}
 \quad
 \boxed{\text{five } \$5 \text{ bills}}$$

c. Lena's family wants to go on the fourth hayride of the day. It's 11:38 now. How many minutes do they have to wait for the fourth hayride?

$$\begin{array}{r}
 15 \\
 15 \\
 \hline
 30
 \end{array}$$

$$\begin{array}{c}
 11:00 \xrightarrow{\quad} 11:15 \xrightarrow{\quad} 11:30 \xrightarrow{\quad} 11:45 \\
 1^{st} \quad 2^{nd} \quad 3^{rd} \quad 4^{th}
 \end{array}$$

$$\begin{array}{r}
 11:45 \\
 - 11:38 \\
 \hline
 00:07
 \end{array}$$

7 minutes

2. Lena picked 17 apples, and her brother picked 19. Lena's mom has a pie recipe that requires 9 apples. How many pies can Mom make with the apples that Lena and her brother picked?
-
-
-

3. Lena's dad gives the cashier \$30 to pay for 6 liters of apple cider. The cashier gives him \$6 in change. How much does each liter of apple cider cost?

4. The apple orchard has 152 apple trees. There are 88 trees with red apples. The rest of the trees have green apples. How many more trees have red apples than green apples?
-

Name _____

Date _____

Max's family takes the train to visit the city zoo. Use the RDW process to solve the problems about Max's trip to the zoo. Use a letter to represent the unknown in each problem.

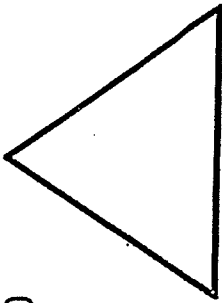
1. The sign below shows information about the train schedule into the city.

Train Fare—One Way	
Adult.....	\$8
Child.....	\$6
Leaves every 15 minutes starting at 6:00 a.m.	

- a. Max's family buys 2 adult tickets and 3 child tickets. How much does it cost Max's family to take the train into the city?
- b. Max's father pays for the tickets with \$10 bills. He receives \$6 in change. How many \$10 bills does Max's father use to pay for the train tickets?
- c. Max's family wants to take the fourth train of the day. It's 6:38 a.m. now. How many minutes do they have to wait for the fourth train?

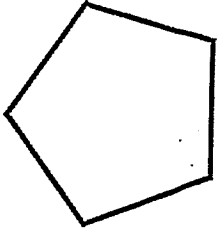
2D Shape Bank

3 SIDED



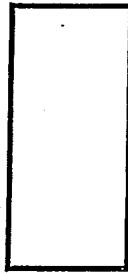
triangle

5 SIDED

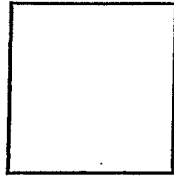


pentagon

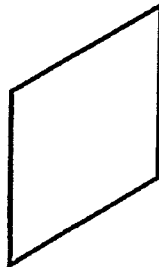
4 SIDED



rectangle



square

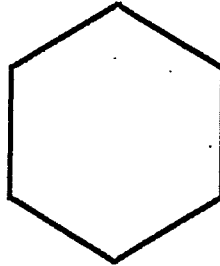


rhombus



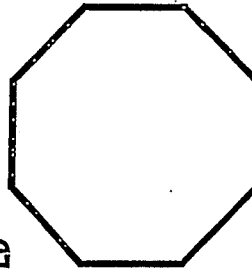
trapezoid

6 SIDED



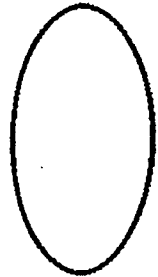
hexagon

8 SIDED

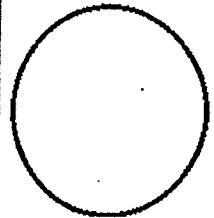


octagon

CURVED SHAPES



oval

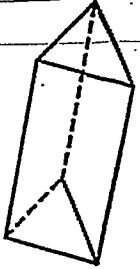


circle

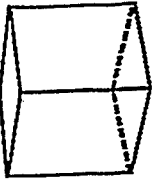
Carrie Lutz © 2016

3D Shape Bank

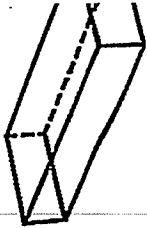
PRISMS



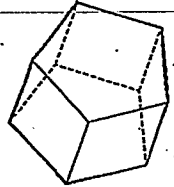
triangular prism



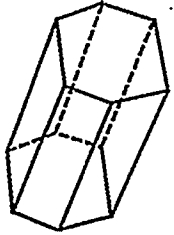
cube



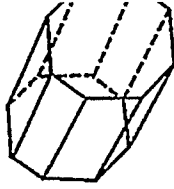
rectangular pr



pentagonal prism

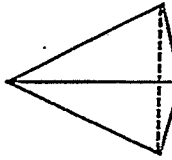


hexagonal prism

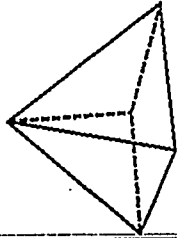


octagonal pris

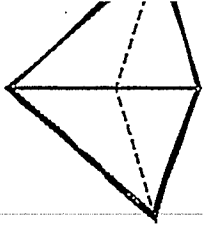
PYRAMIDS



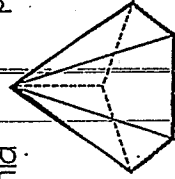
triangular pyramid



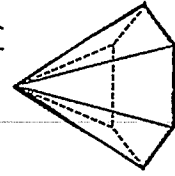
rectangular pyramid



square pyramid

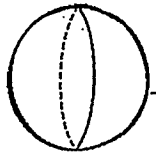


pentagonal pyramid

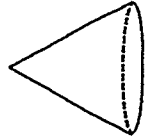


hexagonal pyramid

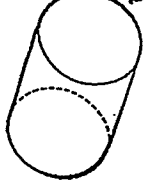
CURVED SOLIDS



sphere



cone



cylinder

Name _____

Shape Sort

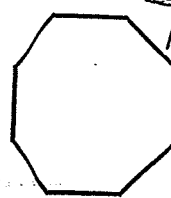
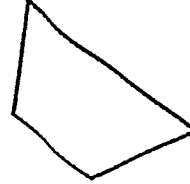
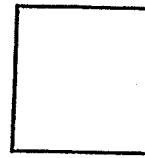
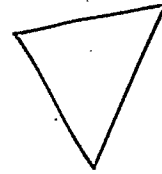
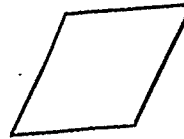
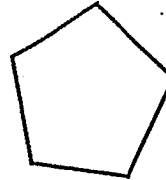
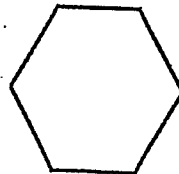
Date _____

Cut out the shapes below and glue them in the correct column.

More than 4

Less than 4

Exactly 4

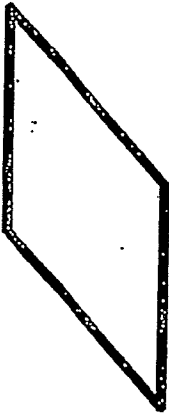


Name the Shapes

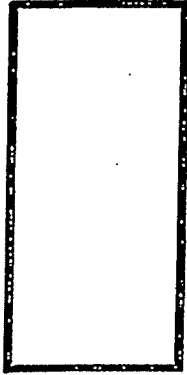
Name _____

Date _____

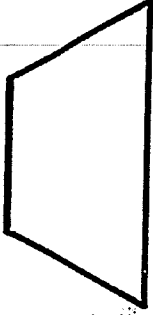
1. Name the Shape.



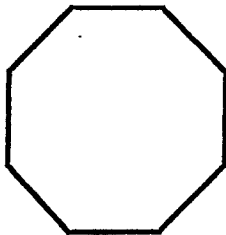
2. Name the Shape.



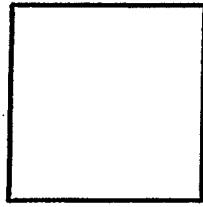
3. Name the Shape.



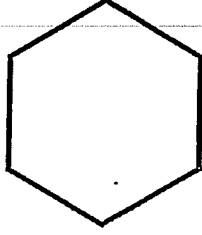
4. Name the Shape.



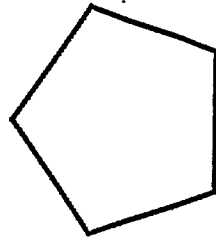
5. Name the Shape.



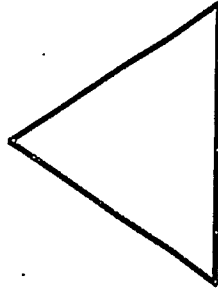
6. Name the Shape.



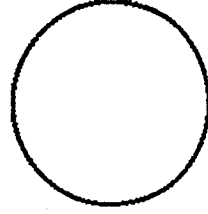
4. Name the Shape.



5. Name the Shape.



6. Name the Shape.



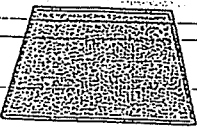
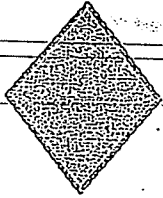
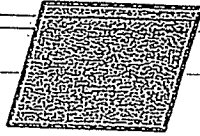
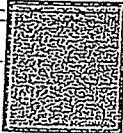
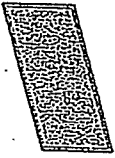
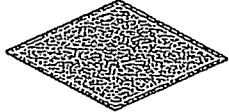
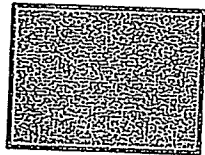
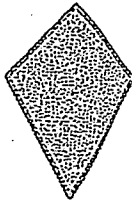
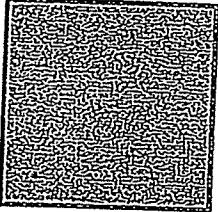

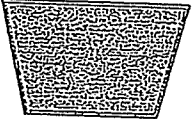
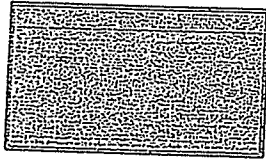
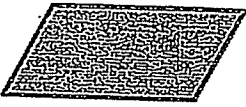
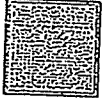
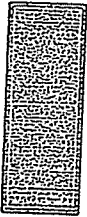
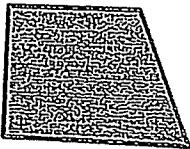
octagon	circle	square	rhombus	triangle
hexagon	pentagon	rectangle	trapezoid	

Naming quadrilaterals

Grade 3 Geometry Worksheet

Write the correct names for each of the following shapes.

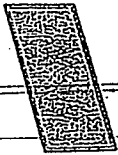
- | | | |
|---------------|-----------|-----------|
| Square | Rectangle | Trapezoid |
| Parallelogram | Kite | Rhombus |

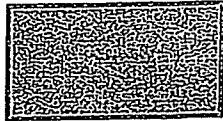
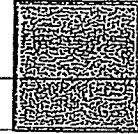
Identifying quadrilaterals

Grade 3 Geometry Worksheet

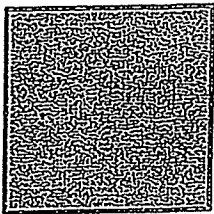
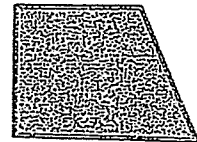
Match the shapes to their names.



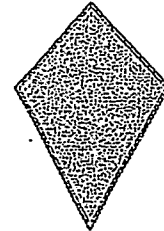
Square



Rectangle



Rhombus



Trapezoid



Parallelogram



Kite

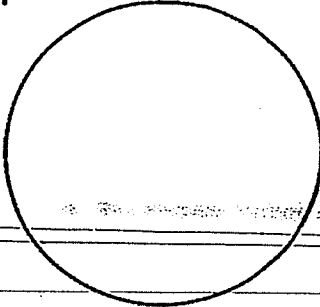
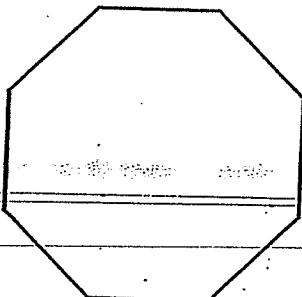
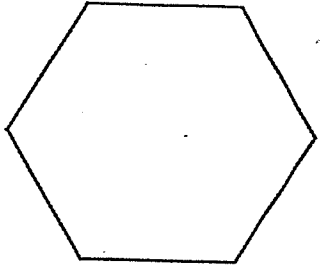
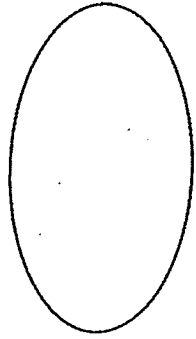
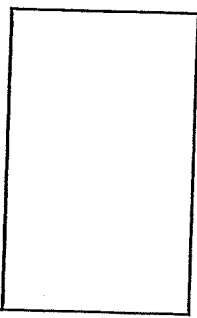
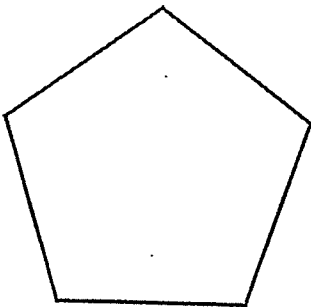
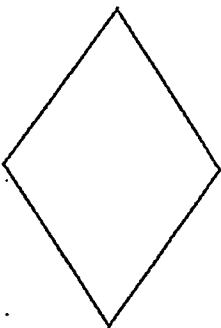
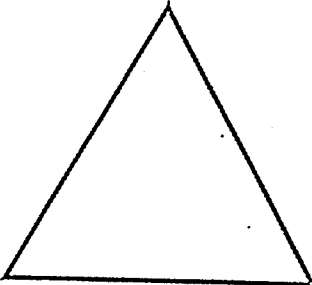


Name: _____



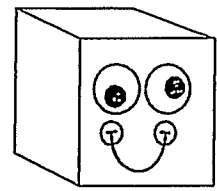
COLOR the Shape

Directions: Color in the name for each shape.

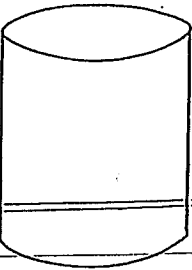
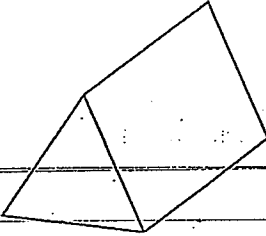
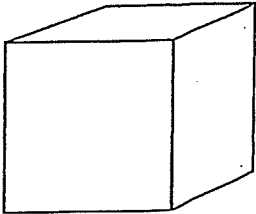
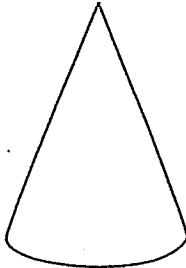
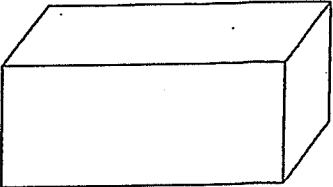
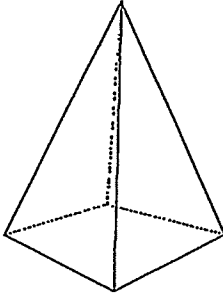
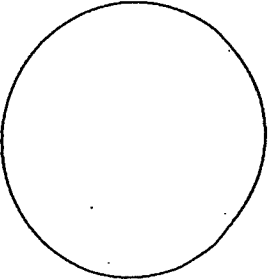
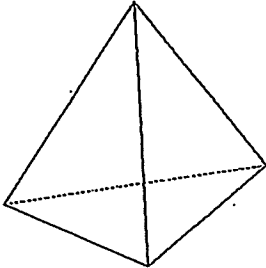
1. 	circle square oval	2. 	pentagon octagon triangle
3. 	hexagon cylinder pentagon	4. 	oval circle square
5. 	rectangle cylinder pyramid	6. 	rectangle oval pentagon
7. 	triangle rhombus square	8. 	triangle square rectangle

Name: _____

COLOR the 3D Shape

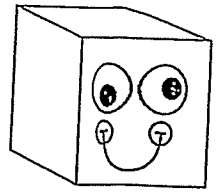


Directions: Color in the name for each shape.


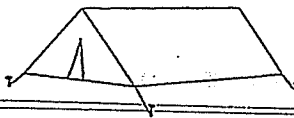
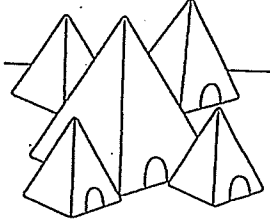
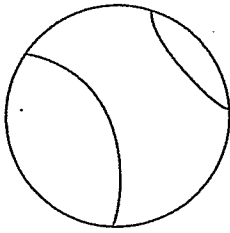

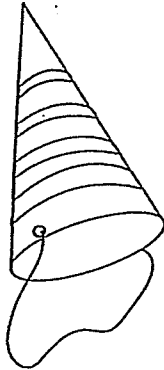
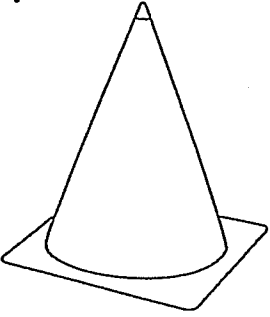
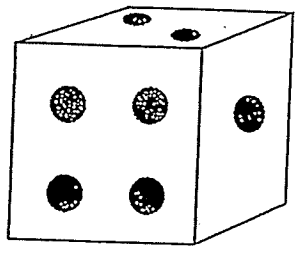
1. 	sphere	2. 	triangular prism
	cylinder		pyramid
	rectangular prism		cone
3. 	cube	4. 	sphere
	cylinder		cone
	pyramid		cylinder
5. 	rectangular prism	6. 	cube
	sphere		cylinder
	cube		pyramid
7. 	sphere	8. 	triangular pyramid
	cylinder		sphere
	cone		cube

Name: _____

COLOR the 3D Shape

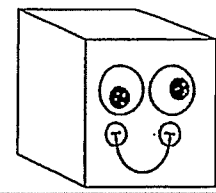


Directions: Color in the name for each shape.

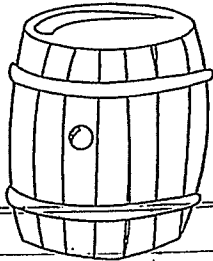
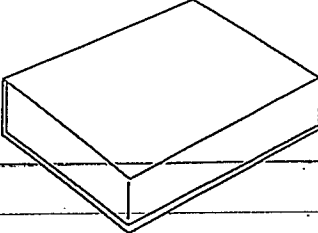
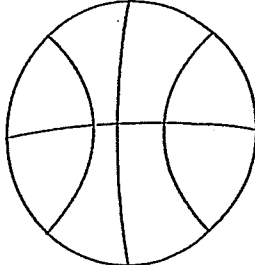


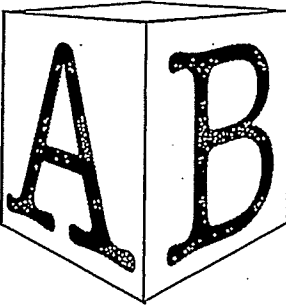
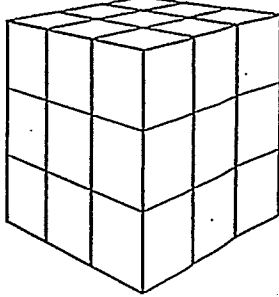
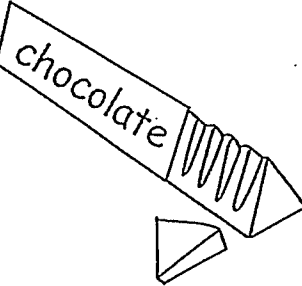
1. 	sphere cylinder rectangular prism	2. 	triangular prism pyramid cone
3. 	cube cylinder pyramid	4. 	sphere cone cylinder
5. 	rectangular prism sphere cube	6. 	cone cylinder pyramid
7. 	sphere cylinder cone	8. 	triangular pyramid sphere cube

Name: _____

COLOR the 3D Shape

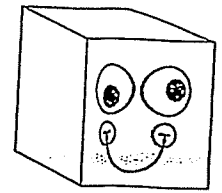


Directions: Color in the name for each shape.

1. 	sphere	2. 	rectangular prism
	cylinder		pyramid
	rectangular prism		cone
3. 	cube	4. 	sphere
	cylinder		cone
	sphere		cylinder
5. 	rectangular prism	6. 	cone
	cone		cylinder
	cube		cube
7. 	sphere	8. 	triangular prism
	cylinder		sphere
	cube		cube

Name: _____

COLOR the 3D Shape

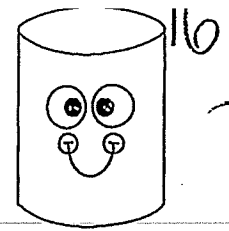


Directions: Color in the name for each shape.

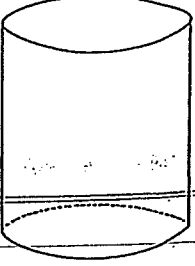
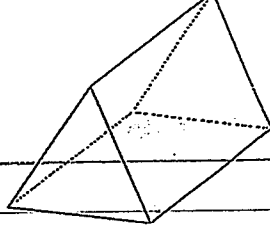
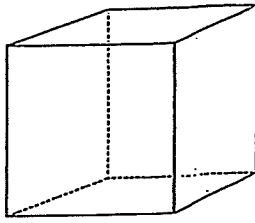
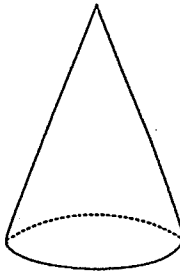
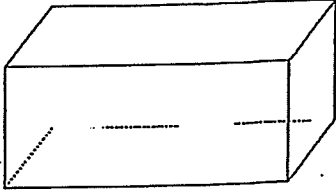
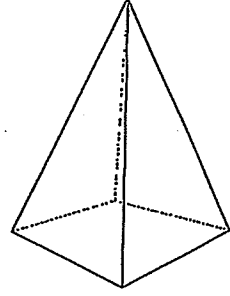
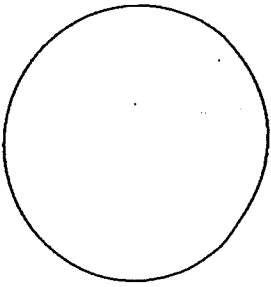
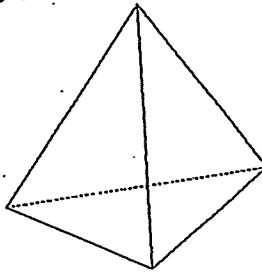
1. 	sphere cylinder rectangular prism	2. 	rectangular prism pyramid cone
3. 	cube cylinder sphere	4. 	sphere cone cylinder
5. 	rectangular prism cone cube	6. 	cone pyramid cube
7. 	sphere rectangular prism cube	8. 	triangular pyramid sphere cube

Name: _____

COLOR the Number of Faces

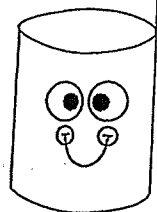


Directions: Color in the number of faces for each shape.

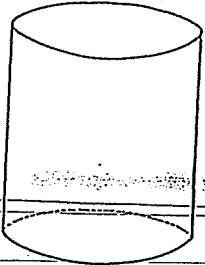
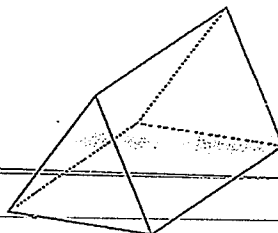
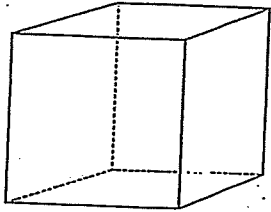
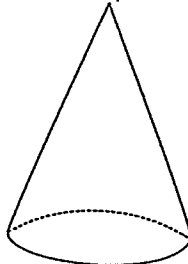
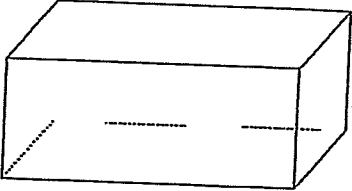
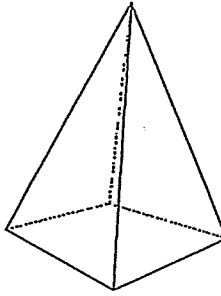
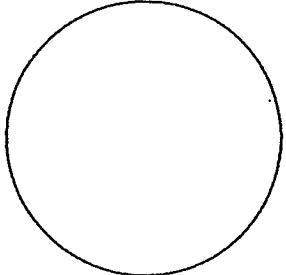
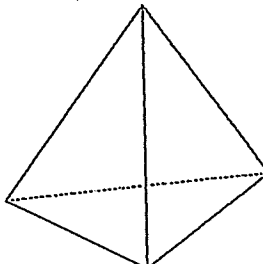
1. 	2	2. 	5
	3		6
	4		7
3. 	4	4. 	0
	5		1
	6		2
5. 	5	6. 	3
	6		4
	7		5
7. 	0	8. 	3
	1		4
	2		5

Name: _____

COLOR the Number of Vertices



Directions: Color in the number of vertices for each shape.

1. 	0 1 2	2. 	5 6 7
3. 	8 9 10	4. 	0 1 2
5. 	6 7 8	6. 	3 4 5
7. 	0 1 2	8. 	3 4 5

Name _____ Date _____

Use the RDW process to solve. Use a letter to represent the unknown in each problem.

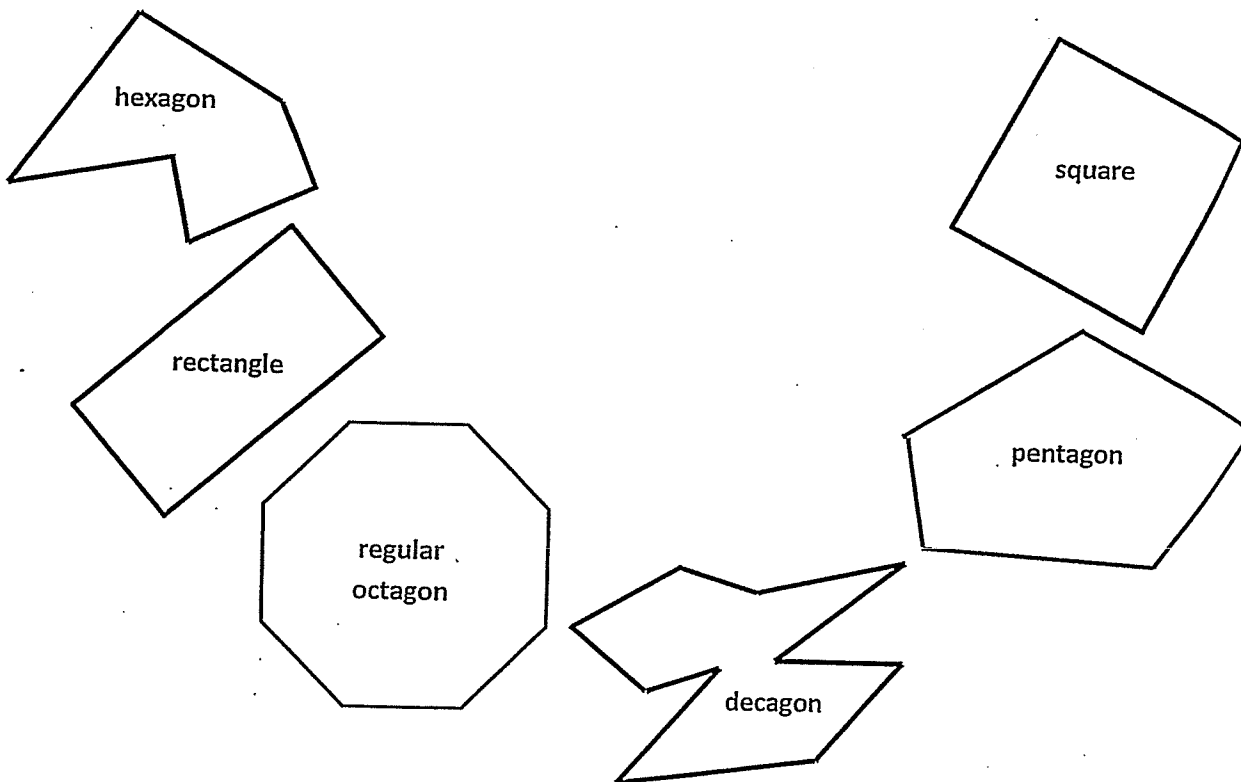
1. A box containing 3 small bags of flour weighs 950 grams. Each bag of flour weighs 300 grams. How much does the empty box weigh?

2. Mr. Cullen needs 91 carpet squares. He has 49 carpet squares. If the squares are sold in boxes of 6, how many more boxes of carpet squares does Mr. Cullen need to buy?
3. Erica makes a banner using 4 sheets of paper. Each paper measures 9 inches by 10 inches. What is the total area of Erica's banner?

Name _____ Date _____

1. Match the polygons with their appropriate clouds. A polygon can match to more than 1 cloud.

- All sides are equal.
- All sides are not equal.
- At least 1 right angle
- At least 1 set of parallel sides



Lines, segments, and rays

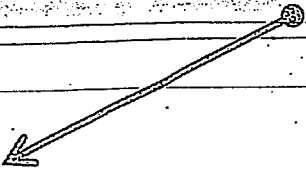
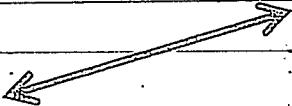
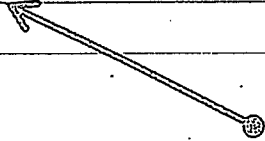

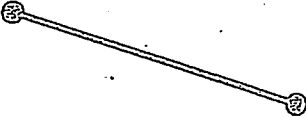
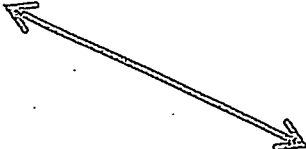
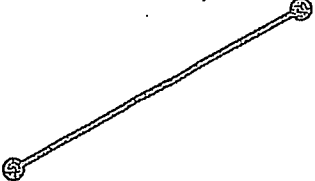
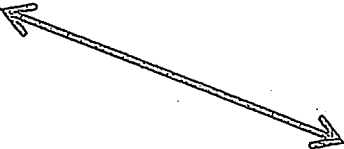
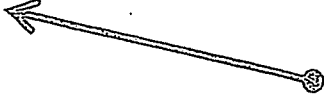
Grade 3 Geometry Worksheet

Lines go in both directions forever.

Line segments end in fixed points on both sides.

Rays start at a point and go forever in one direction.

Write "line", "line segment" or "ray" below each picture.

 _____	 _____	 _____
 _____	 _____	 _____
 _____	 _____	 _____

Draw the following.

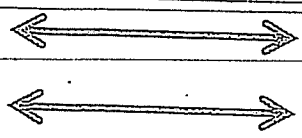
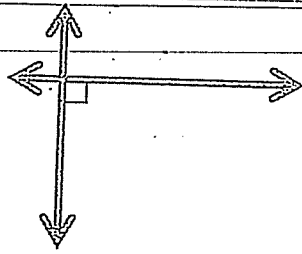
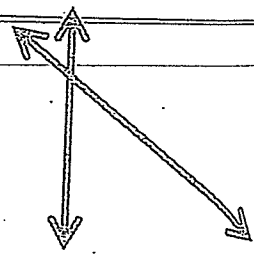
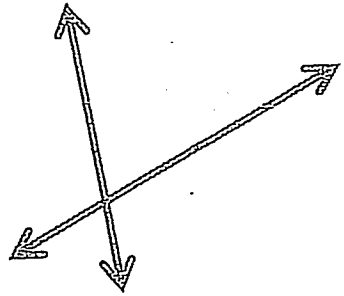
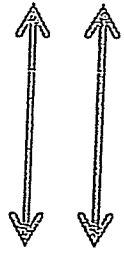
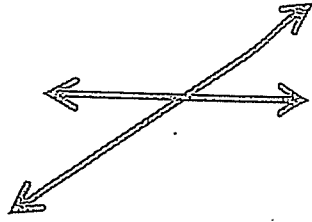
Line	Line segment	Ray

Parallel, perpendicular & intersecting lines

Grade 3 Geometry Worksheet

Parallel lines do not intersect or touch each other at any point.
 Perpendicular lines form right angles (90°) when they intersect.
 Intersecting lines cross at one point.

Write "parallel", "perpendicular" or "intersecting" below each pair of lines.

 _____	 _____	 _____
 _____	 _____	 _____

Draw the following:

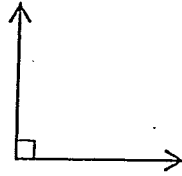
<p>Parallel lines</p>	<p>Perpendicular lines</p>	<p>Intersecting lines</p>
-----------------------	----------------------------	---------------------------

Classifying angles

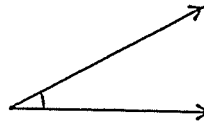
Grade 3 Geometry Worksheet



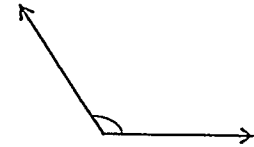
Straight



Right



Acute



Obtuse

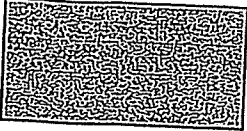
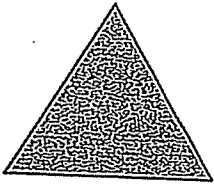
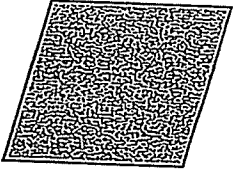
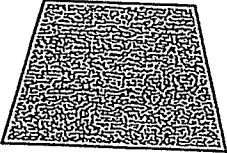
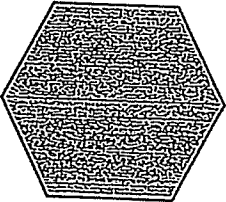
Write "straight", "right", "acute" or "obtuse" below each angle.

 _____	 _____
 _____	 _____
 _____	 _____

Parallelograms

Grade 2 Geometry Worksheet

Answer the questions beside each shape.

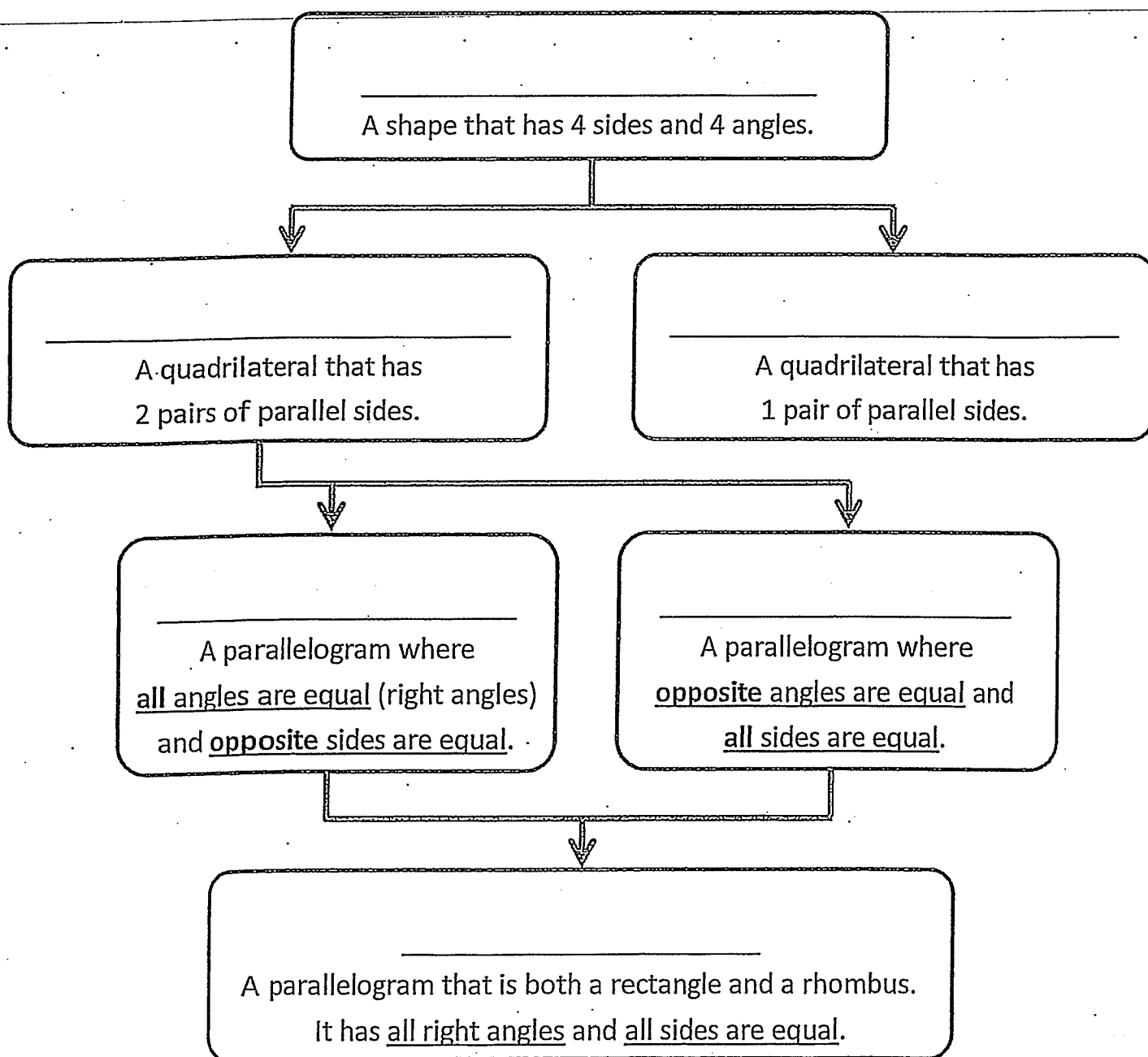
	<p>Does it have 4 sides?</p> <p>Are the opposite sides parallel?</p> <p>Is it parallelogram?</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>No</p> <p>No</p> <p>No</p>
	<p>Does it have 4 sides?</p> <p>Are the opposite sides parallel?</p> <p>Is it parallelogram?</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>No</p> <p>No</p> <p>No</p>
	<p>Does it have 4 sides?</p> <p>Are the opposite sides parallel?</p> <p>Is it parallelogram?</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>No</p> <p>No</p> <p>No</p>
	<p>Does it have 4 sides?</p> <p>Are the opposite sides parallel?</p> <p>Is it parallelogram?</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>No</p> <p>No</p> <p>No</p>
	<p>Does it have 4 sides?</p> <p>Are the opposite sides parallel?</p> <p>Is it parallelogram?</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>No</p> <p>No</p> <p>No</p>

Types of Quadrilaterals

Grade 3 Geometry Worksheet

Fill in the blanks with words from the word bank.

Rectangle Trapezoid Square Parallelogram Rhombus Quadrilateral

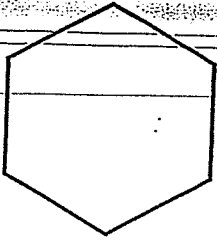


Identifying polygons

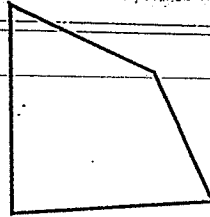
Grade 3 Geometry Worksheet

Classify the polygons as one of: squares, rectangles, irregular quadrilateral, pentagon, irregular pentagon, hexagon or irregular hexagon,

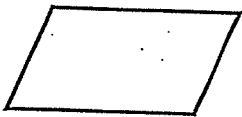
1.



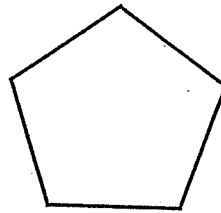
2.



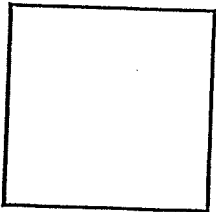
3.



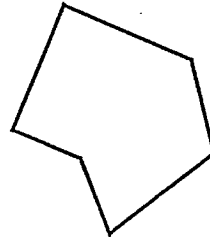
4.



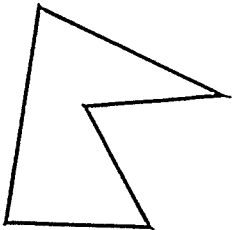
5.



6.



7.

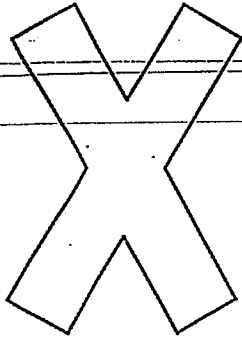


8.

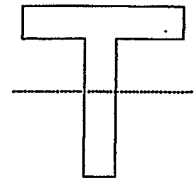
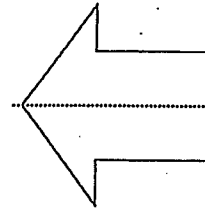
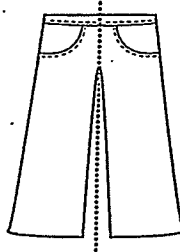
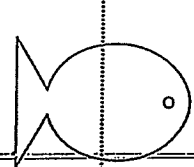
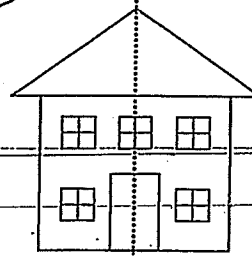
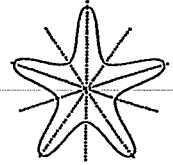
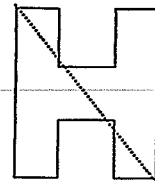
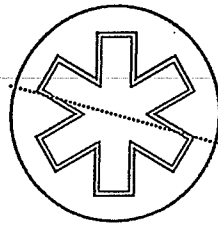


Is this Symmetrical?

Draw the lines of symmetry in this object below.



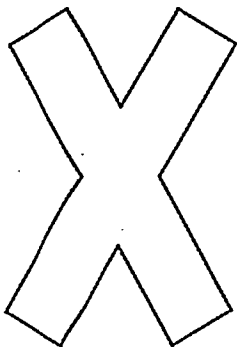
Circle all the objects below that show correct symmetry. 26



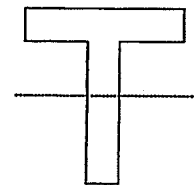
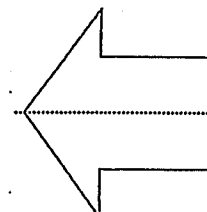
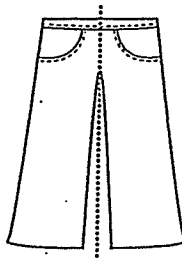
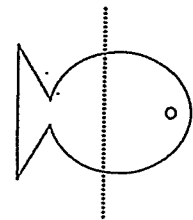
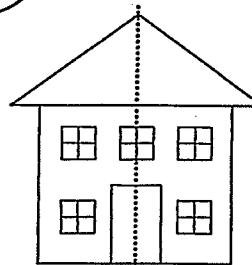
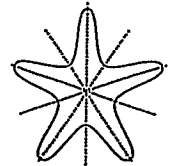
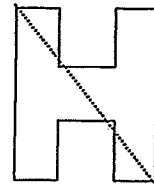
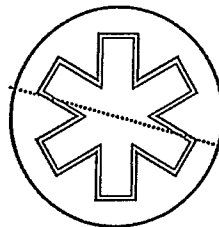
© Create-abilities

Is this Symmetrical?

Draw the lines of symmetry in this object below.



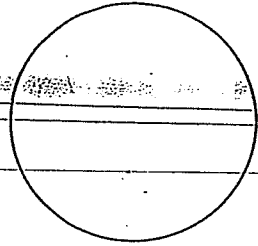
Circle all the objects below that show correct symmetry.



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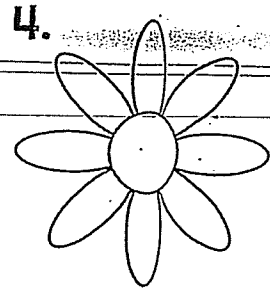
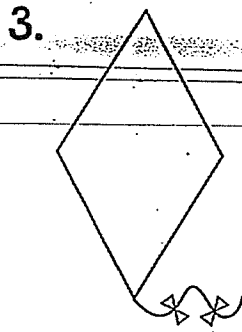
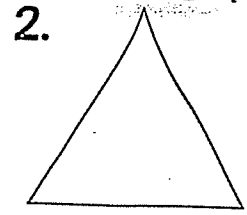
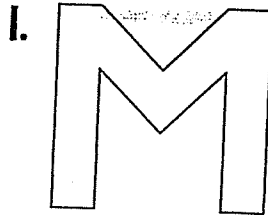
Draw It!

How many lines of symmetry does a circle have?



Draw the lines of symmetry in the objects below.

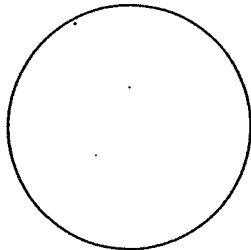
27



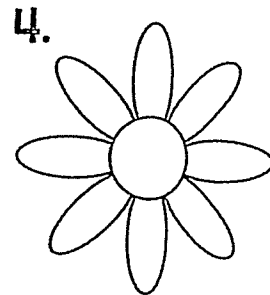
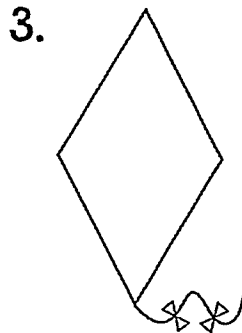
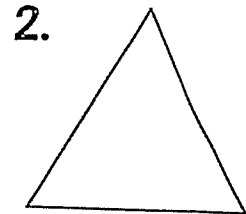
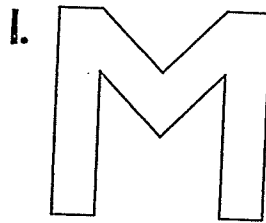
© Create-abilities

Draw It!

How many lines of symmetry does a circle have?



Draw the lines of symmetry in the objects below.

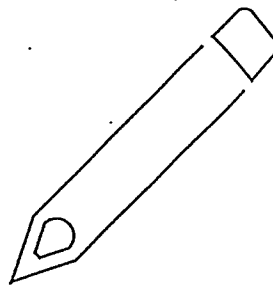
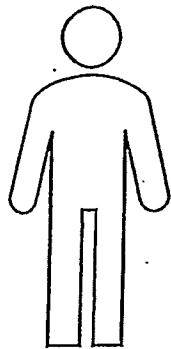
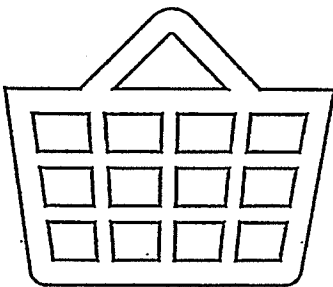
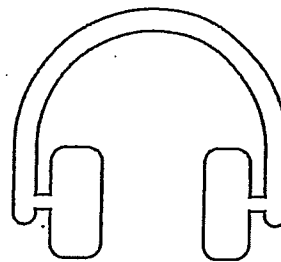
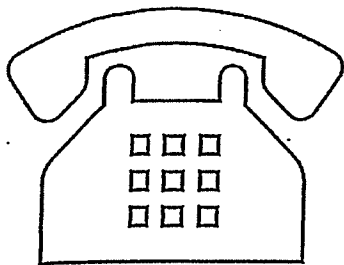
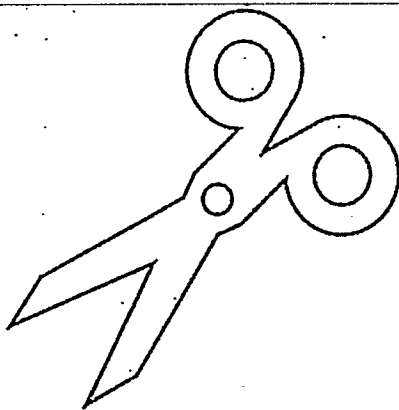
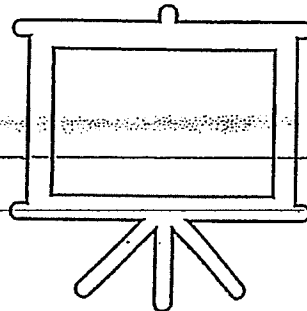
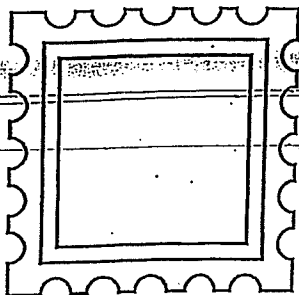


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Lines of symmetry

Grade 3 Geometry Worksheet

Draw the line of symmetry which cuts the following shapes in half evenly.
Hint: Some shapes can be cut in more than one way.



Symmetry Challenge

What capital letters have lines of symmetry?

A B C D
G H I J
M N O P
S T U V
Y Z

E F
K L
Q R
W X

How many? / 26

Symmetry Challenge

What letters have lines of symmetry?

a b c d

g h i j

m n o p

s t u v

y z

e f

k l

q r

w x

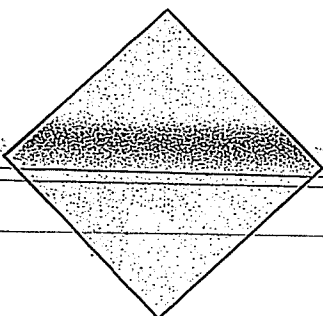
How many? / 26

Name _____

Date _____

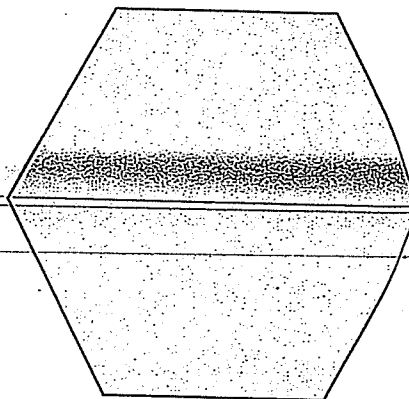
1. Measure and label the side lengths of the shapes below in centimeters. Then, find the perimeter of each shape.

a.



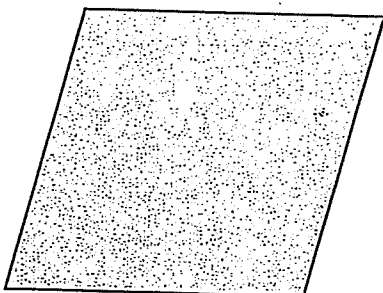
Perimeter = _____ cm + _____ cm + _____ cm + _____ cm
 = _____ cm

b.



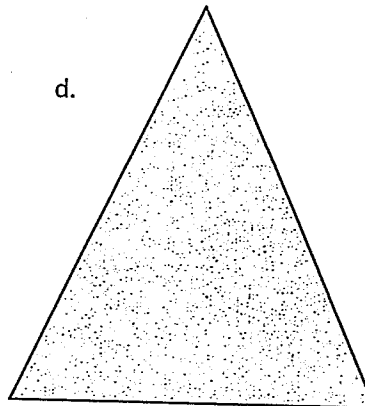
Perimeter = _____
 = _____ cm

c.



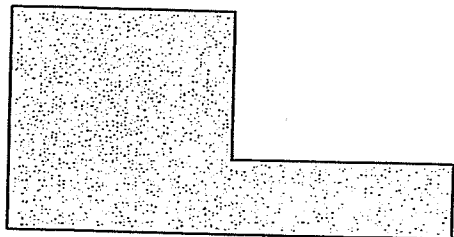
Perimeter = _____
 = _____ cm

d.



Perimeter = _____
 = _____ cm

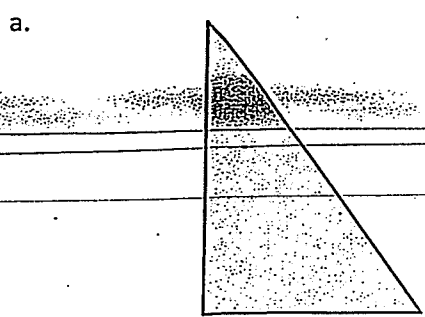
e.



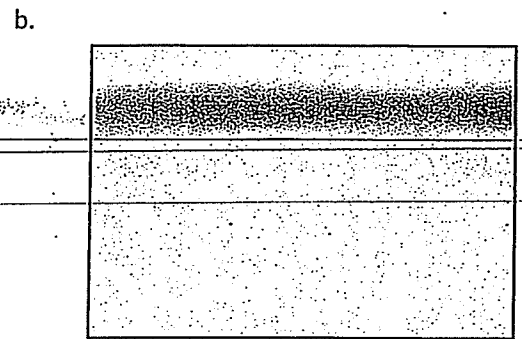
Perimeter = _____
 = _____ cm

Name _____ Date _____

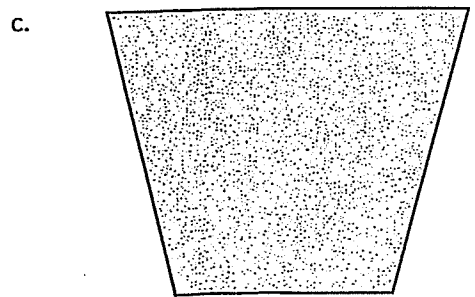
1. Measure and label the side lengths of the shapes below in centimeters. Then, find the perimeter of each shape.



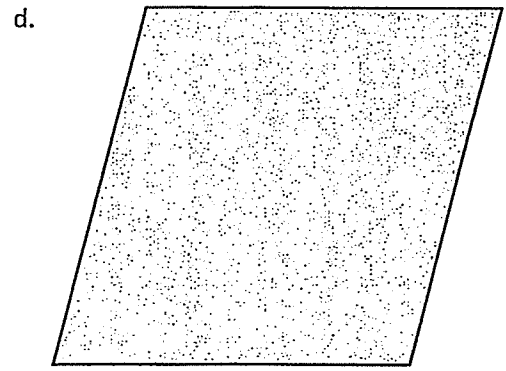
Perimeter = _____ cm + _____ cm + _____ cm
 = _____ cm



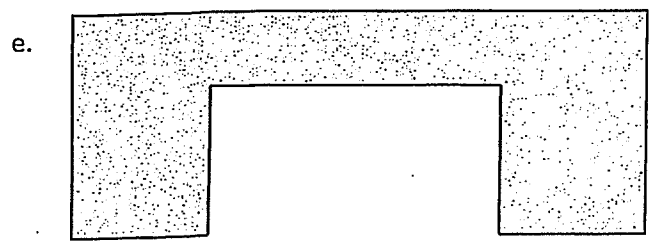
Perimeter = _____
 = _____ cm



Perimeter = _____
 = _____ cm



Perimeter = _____
 = _____ cm



Perimeter = _____
 = _____ cm

Lesson ⁷~~16~~
G:3 M:7

Sum Strategies

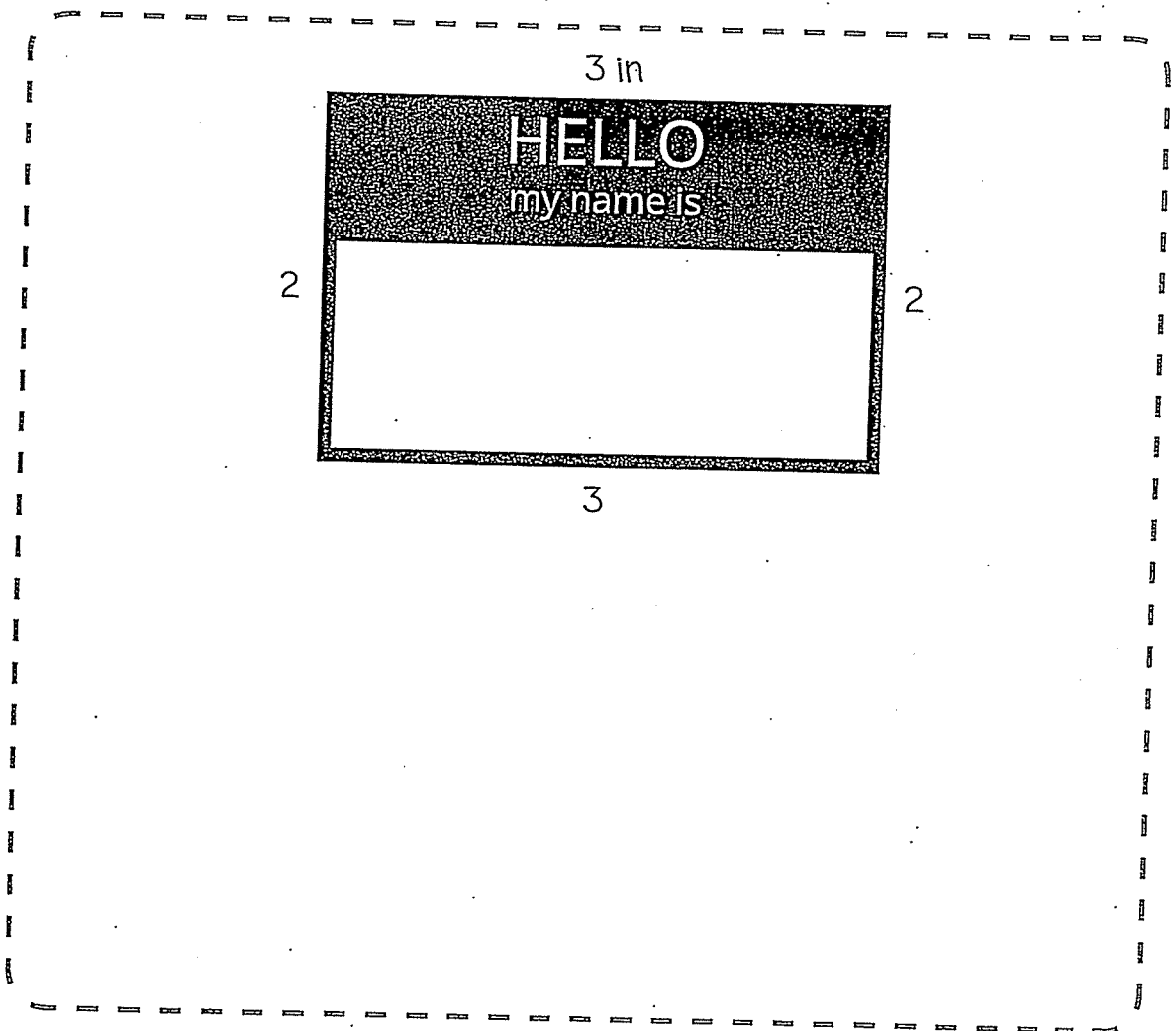
ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

Class: _____

1 Write and solve an equation that shows the perimeter of the name tag as a sum of all the sides.

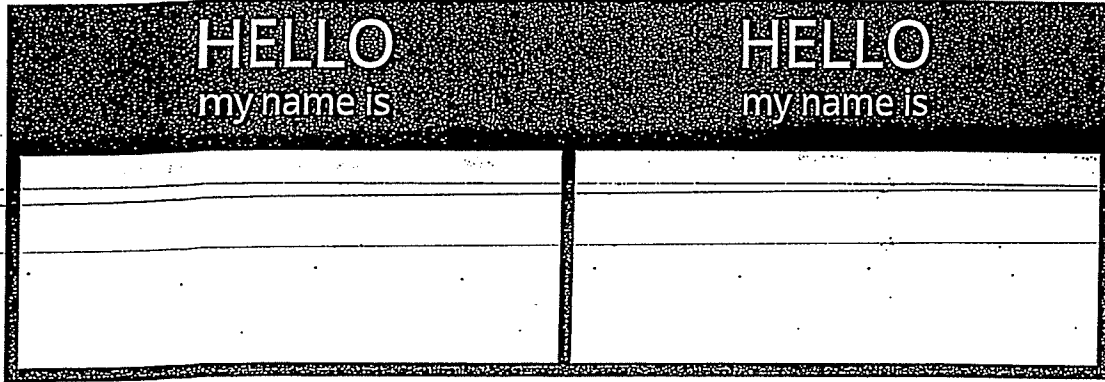


2

Find the perimeter of the new shape.

3 in

3 in



3

3

PERIMETER

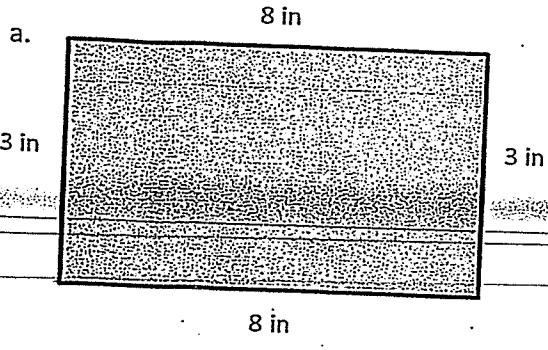
ANSWER SENTENCE



Name _____

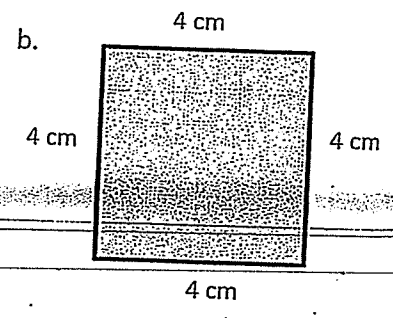
Date _____

1. Find the perimeter of the following shapes.



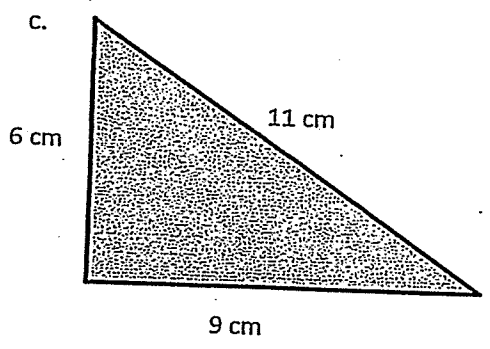
$$P = 3 \text{ in} + 8 \text{ in} + 3 \text{ in} + 8 \text{ in}$$

$$= \underline{\hspace{2cm}} \text{ in}$$



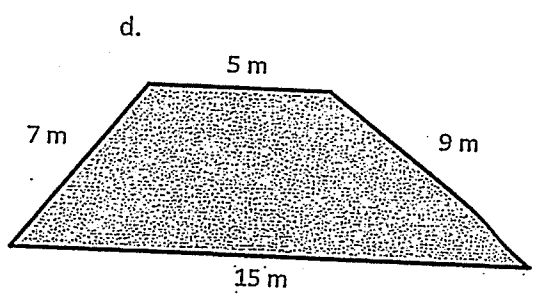
$$P = \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm}$$

$$= \underline{\hspace{2cm}} \text{ cm}$$



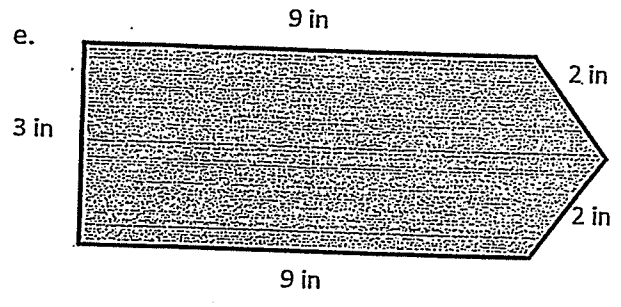
$$P = \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm}$$

$$= \underline{\hspace{2cm}} \text{ cm}$$



$$P = \underline{\hspace{1cm}} \text{ m} + \underline{\hspace{1cm}} \text{ m} + \underline{\hspace{1cm}} \text{ m} + \underline{\hspace{1cm}} \text{ m}$$

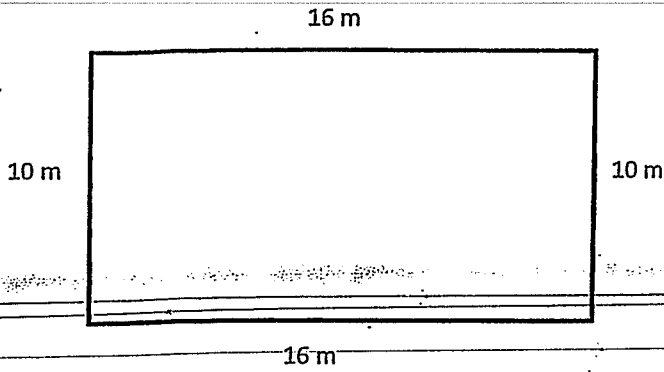
$$= \underline{\hspace{2cm}} \text{ m}$$



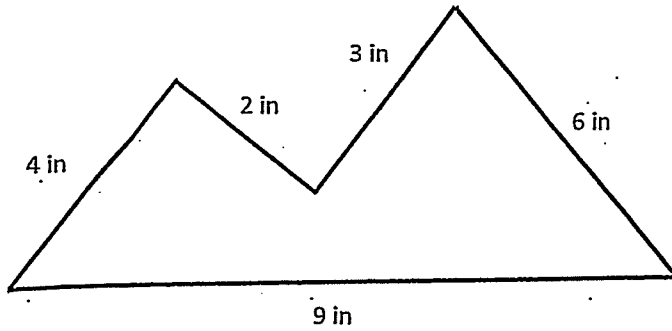
$$P = \underline{\hspace{1cm}} \text{ in} + \underline{\hspace{1cm}} \text{ in} + \underline{\hspace{1cm}} \text{ in} + \underline{\hspace{1cm}} \text{ in} + \underline{\hspace{1cm}} \text{ in}$$

$$= \underline{\hspace{2cm}} \text{ in}$$

2. Alan's rectangular swimming pool is 10 meters long and 16 meters wide. What is the perimeter?

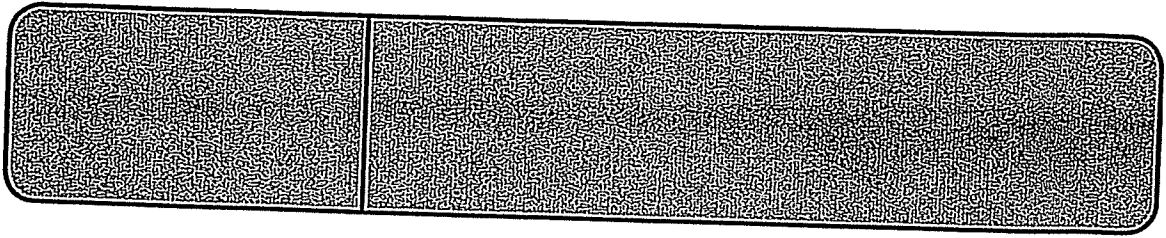


3. Lila measures each side of the shape below.



a. What is the perimeter of the shape?

b. Lila says the shape is a pentagon. Is she correct? Explain why or why not.

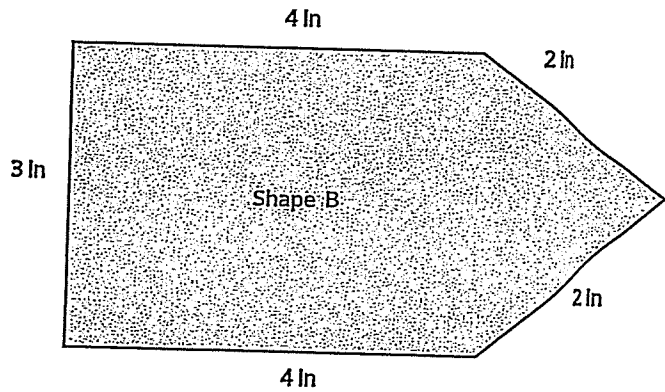
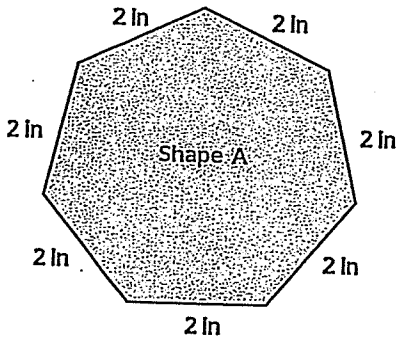


Name: _____ Date: _____

Complete:

Class: _____

1. Which shape below has the greatest perimeter? Explain your answer.



YOUR EXPLANATION



Lesson ~~14~~⁸
G:3 M:7

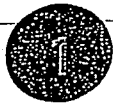
Side Lengths?

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete:

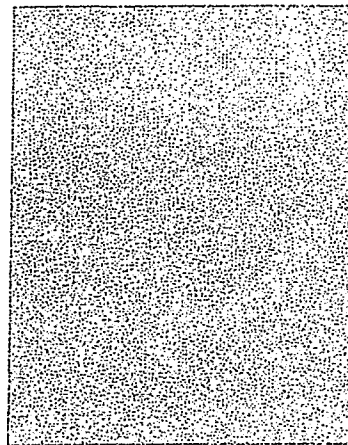
Class: _____



Label the missing side lengths, and then find the perimeter.

SHOW YOUR WORK

10 in



8 in

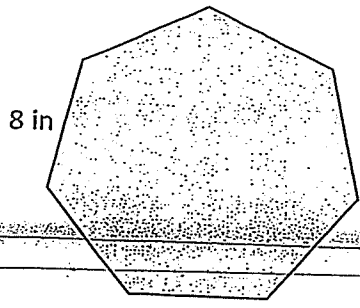


Name _____

Date _____

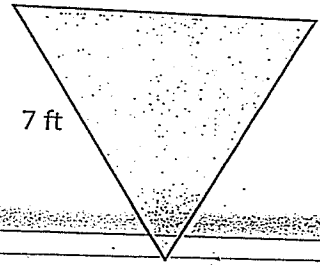
1. Label the unknown side lengths of the regular shapes below. Then, find the perimeter of each shape.

a.



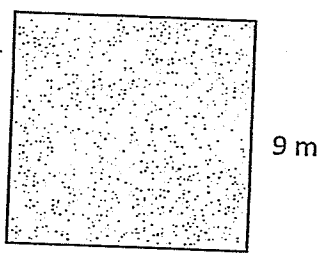
Perimeter = _____ in

b.



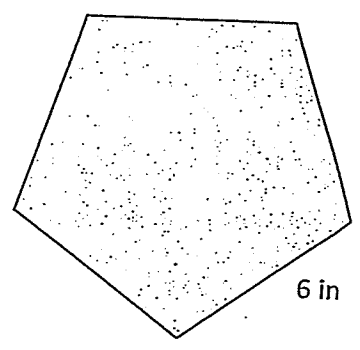
Perimeter = _____ ft

c.



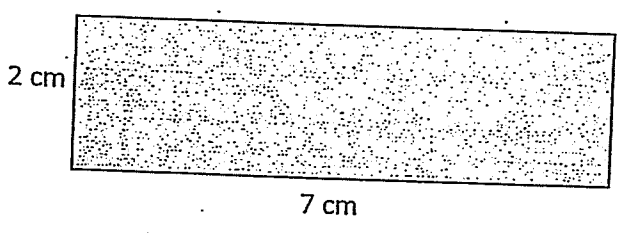
Perimeter = _____ m

d.



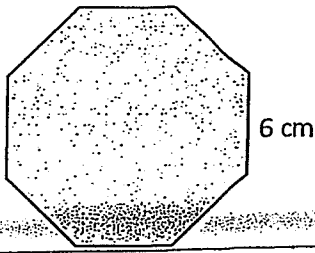
Perimeter = _____ in

2. Label the unknown side lengths of the rectangle below. Then, find the perimeter of the rectangle.



Perimeter = _____ cm

3. David draws a regular octagon and labels a side length as shown below. Find the perimeter of David's octagon.



4. Paige paints an 8-inch by 9-inch picture for her mom's birthday. What is the total length of wood that Paige needs to make a frame for the picture?

5. Mr. Spooner draws a regular hexagon on the board. One of the sides measures 4 centimeters. Giles and Xander find the perimeter. Their work is shown below. Whose work is correct? Explain your answer.

Giles's Work

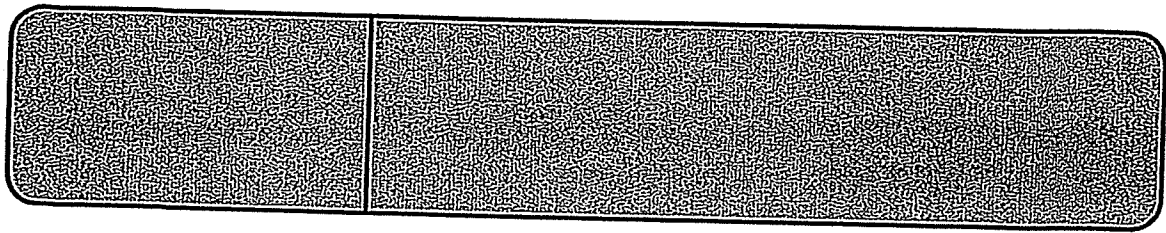
$$\text{Perimeter} = 4 \text{ cm} + 4 \text{ cm} + 4 \text{ cm} + 4 \text{ cm} + 4 \text{ cm} + 4 \text{ cm}$$

$$\text{Perimeter} = 24 \text{ cm}$$

Xander's Work

$$\text{Perimeter} = 6 \times 4 \text{ cm}$$

$$\text{Perimeter} = 24 \text{ cm}$$



Name: _____ Date: _____

Complete:

Class: _____

1. Travis traces a regular pentagon on his paper. Each side measures 7 centimeters. He also traces a regular hexagon on his paper. Each side of the hexagon measures 5 centimeters. Which shape has a greater perimeter?

SHOW YOUR WORK

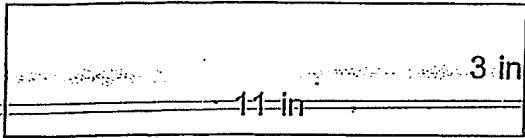


Perimeter of rectangles

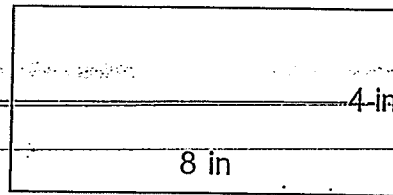
Grade 3 Geometry Worksheet

Find the perimeter of each rectangle.

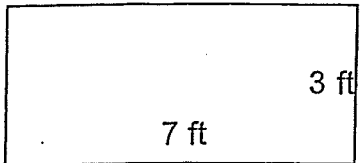
1.



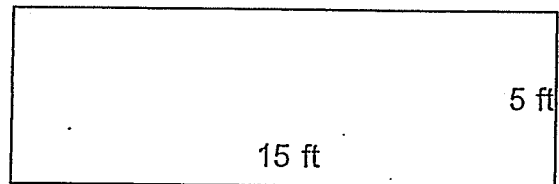
2.



3.



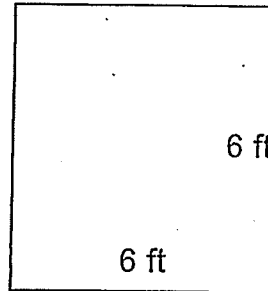
4.



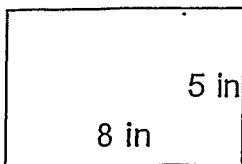
5.



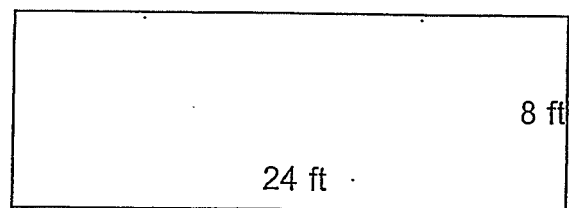
6.



7.



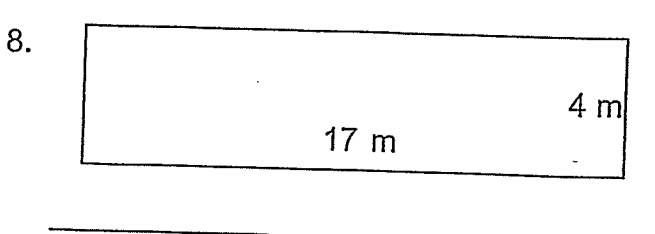
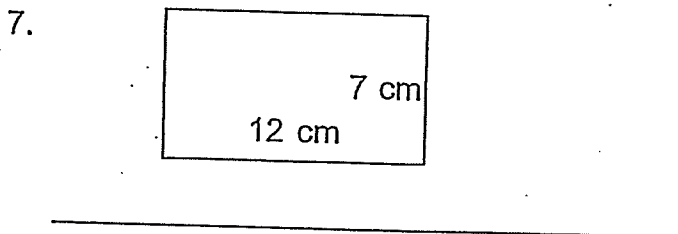
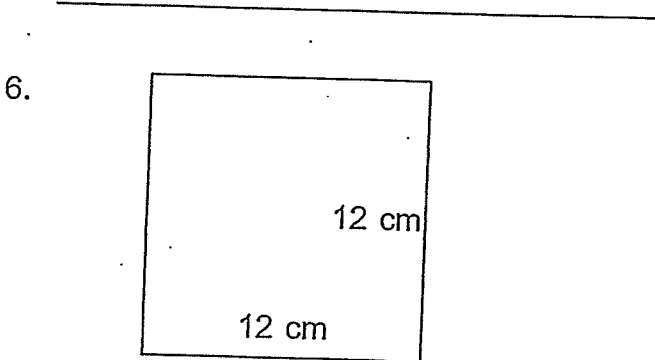
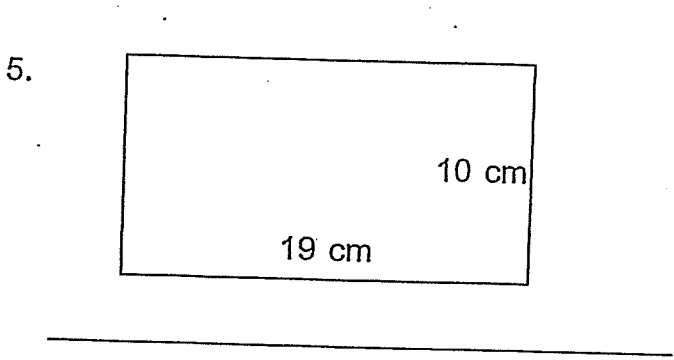
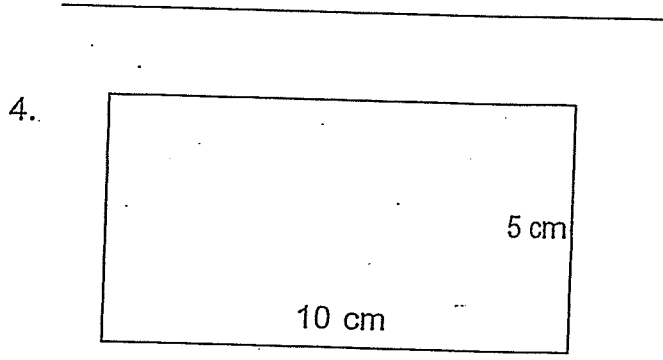
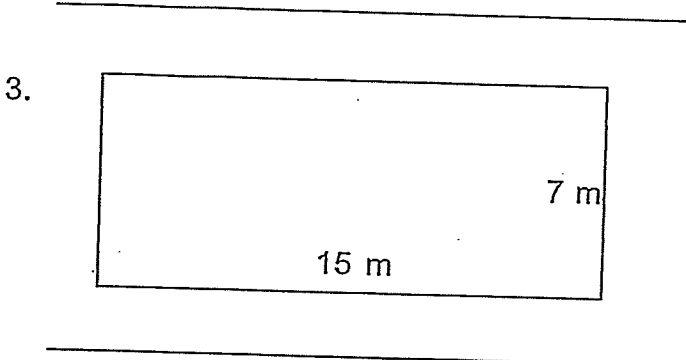
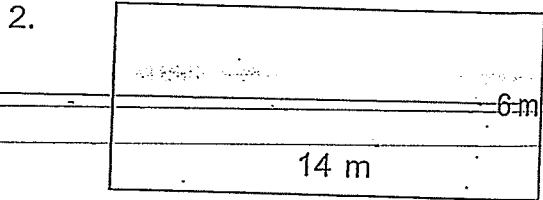
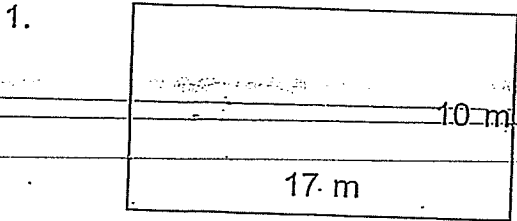
8.



Perimeter of rectangles

Grade 3 Geometry Worksheet

Find the perimeter of each rectangle.



Name _____

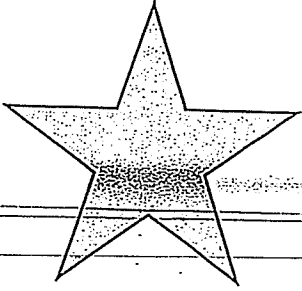
Date _____

1. Mrs. Kozlow put a border around a 5-foot by 6-foot rectangular bulletin board. How many feet of border did Mrs. Kozlow use?

2. Jason built a model of the Pentagon for a social studies project. He made each outside wall 33 centimeters long. What is the perimeter of Jason's model pentagon?

3. The Holmes family plants a rectangular 8-yard by 9-yard vegetable garden. How many yards of fencing do they need to put a fence around the garden?

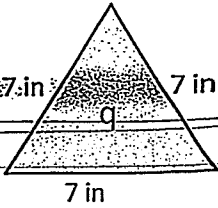
4. Marion paints a 5-pointed star on her bedroom wall. Each side of the star is 18 inches long. What is the perimeter of the star?



5. The soccer team jogs around the outside of the soccer field twice to warm up. The rectangular field measures 60 yards by 100 yards. What is the total number of yards the team jogs?
6. Troop 516 makes 3 triangular flags to carry at a parade. They sew ribbon around the outside edges of the flags. The flags' side lengths each measure 24 inches. How many inches of ribbon does the troop use?

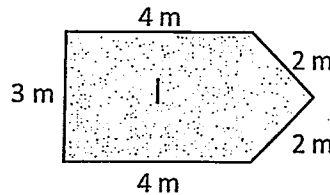
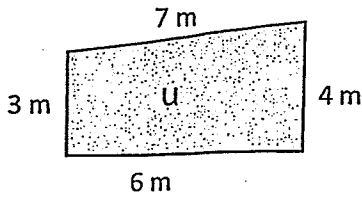
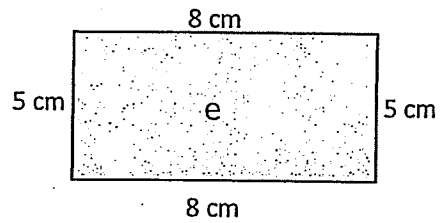
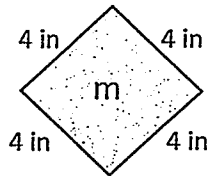
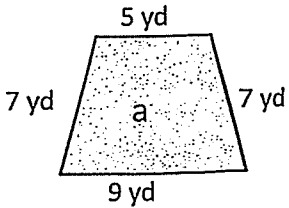
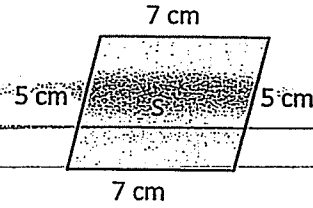
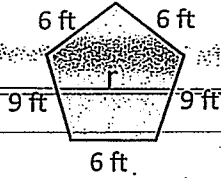
Name _____ Date _____

1. Find the perimeters of the shapes below. Include the units in your equations. Match the letter inside each shape to its perimeter to solve the riddle. The first one has been done for you.



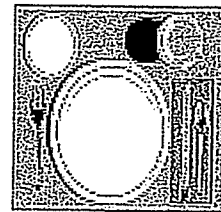
$$P = 7 \text{ in} + 7 \text{ in} + 7 \text{ in}$$

$$P = 21 \text{ in}$$

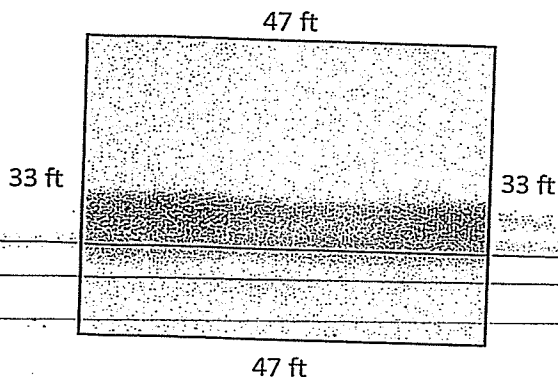


What kind of meals do math teachers eat?

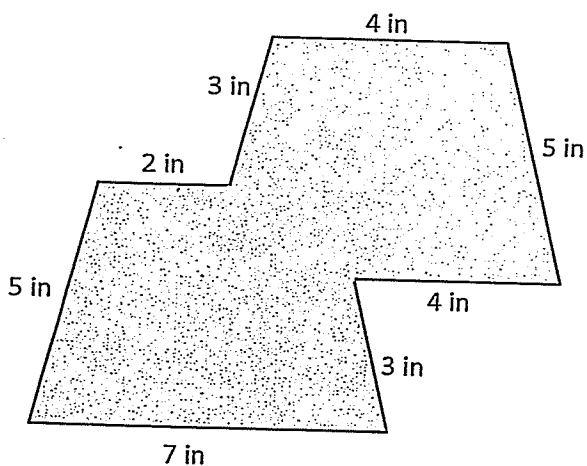
_____ !
 24 21 20 28 36 26 16 26 28 15 24



2. Alicia's rectangular garden is 33 feet long and 47 feet wide. What is the perimeter of Alicia's garden?



3. Jaques measured the side lengths of the shape below.



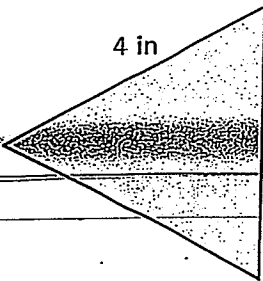
- a. Find the perimeter of Jaques's shape.
- b. Jaques says his shape is an octagon. Is he right? Why or why not?

Name _____

Date _____

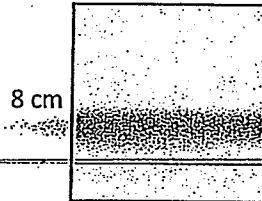
1. Label the unknown side lengths of the regular shapes below. Then, find the perimeter of each shape.

a.



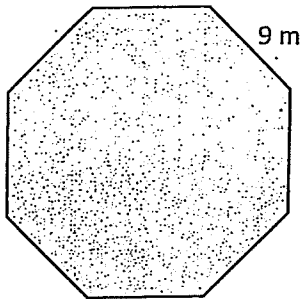
Perimeter = _____ in

b.



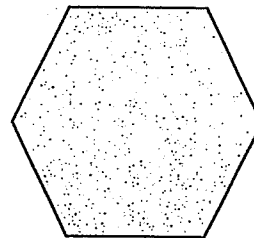
Perimeter = _____ cm

c.



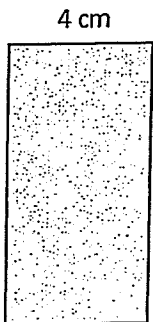
Perimeter = _____ m

d.

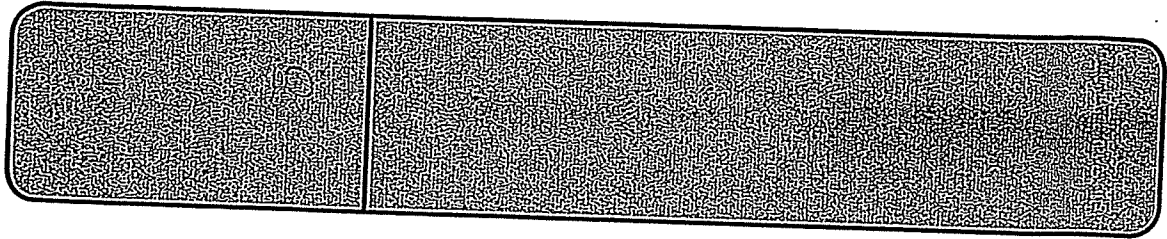


Perimeter = _____ in

2. Label the unknown side lengths of the rectangle below. Then, find the perimeter of the rectangle.

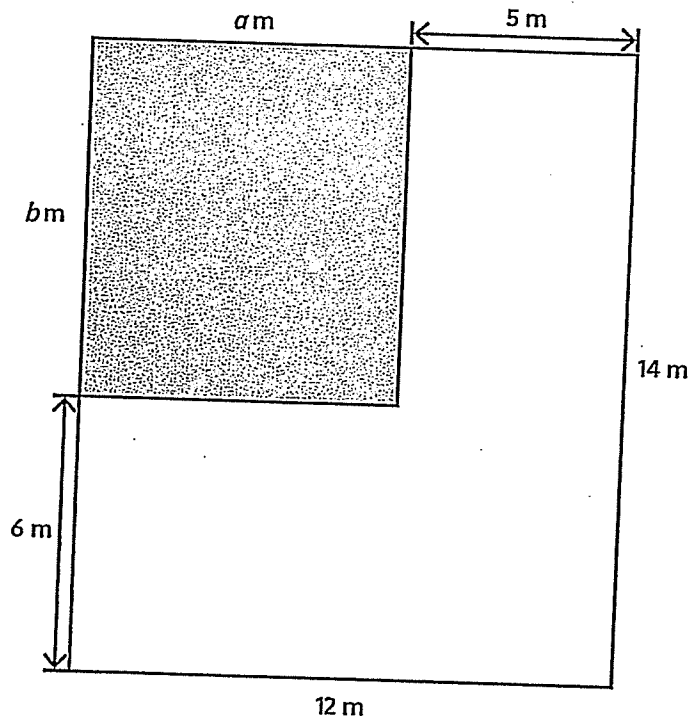


Perimeter = _____ cm



Name: _____ Date: _____
Complete: Class: _____

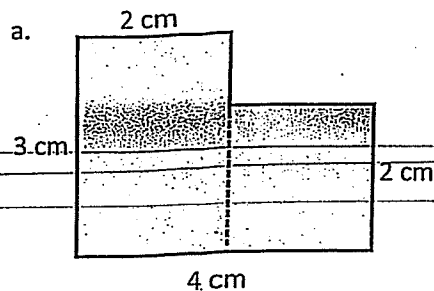
1. Label the unknown side lengths. Then, find the perimeter of the shaded rectangle.



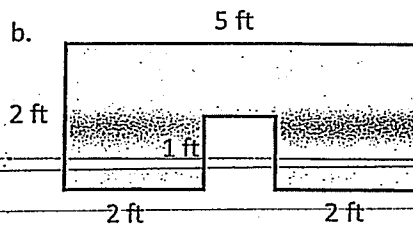
Name _____

Date _____

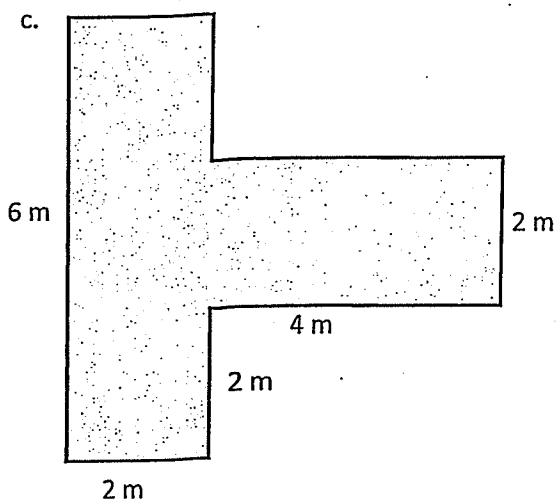
1. The shapes below are made up of rectangles. Label the unknown side lengths. Then, write and solve an equation to find the perimeter of each shape.



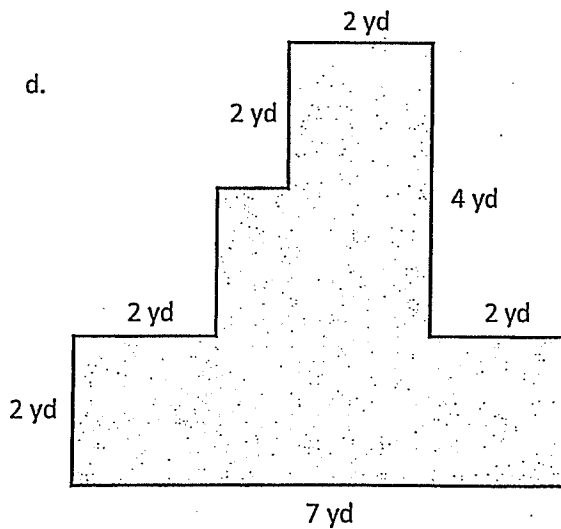
P =



P =

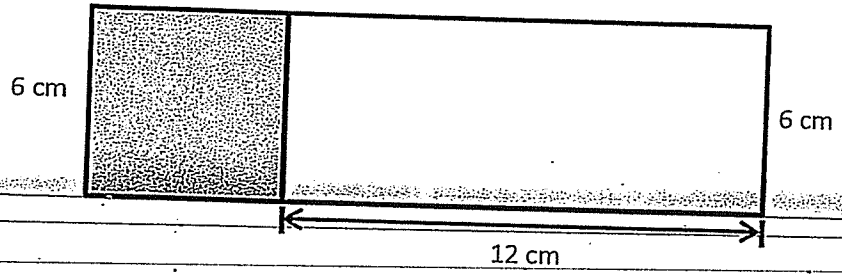


P =

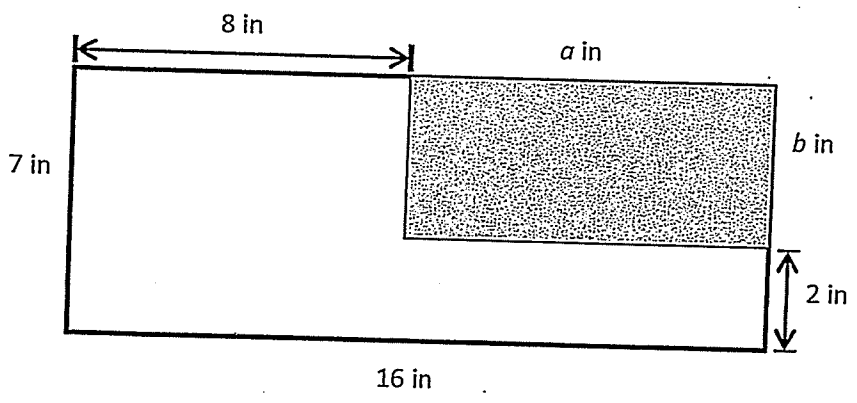


P =

2. Nathan draws and labels the square and rectangle below. Find the perimeter of the new shape.

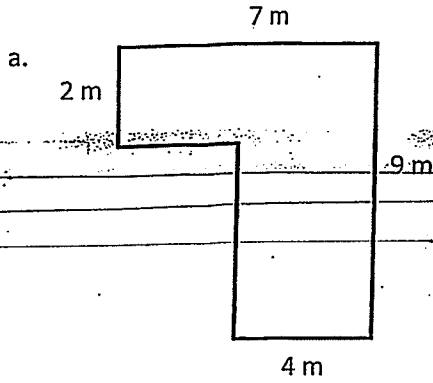


3. Label the unknown side lengths. Then, find the perimeter of the shaded rectangle.

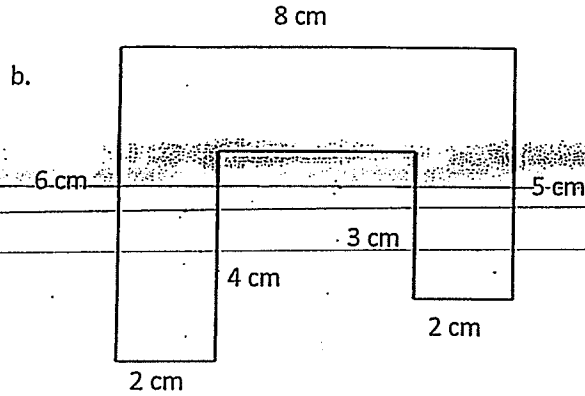


Name _____ Date _____

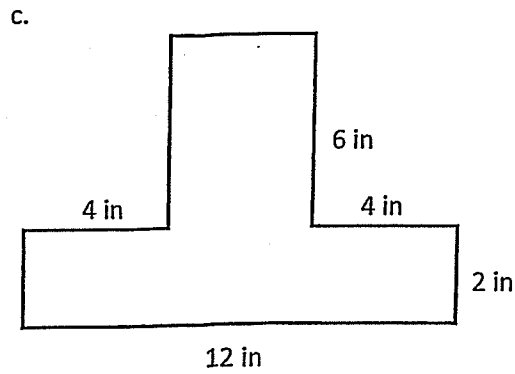
1. The shapes below are made up of rectangles. Label the unknown side lengths. Then, write and solve an equation to find the perimeter of each shape.



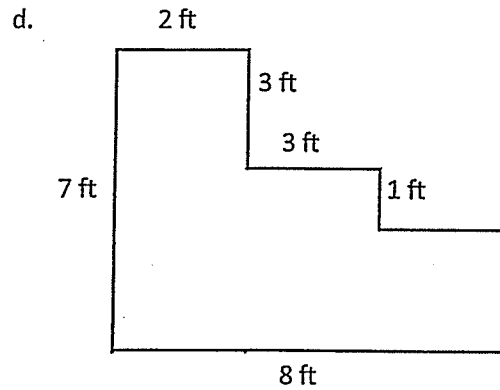
P =



P =

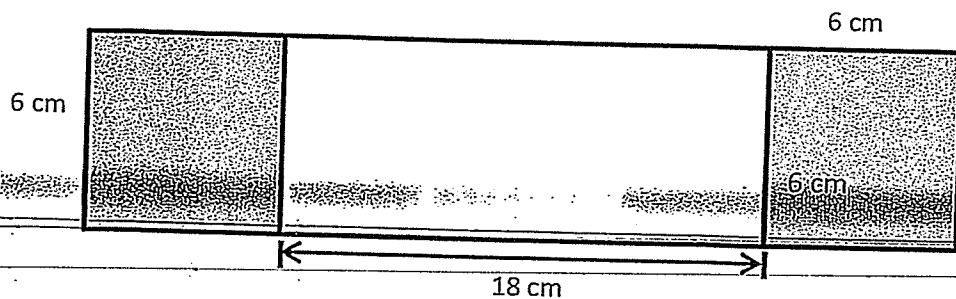


P =

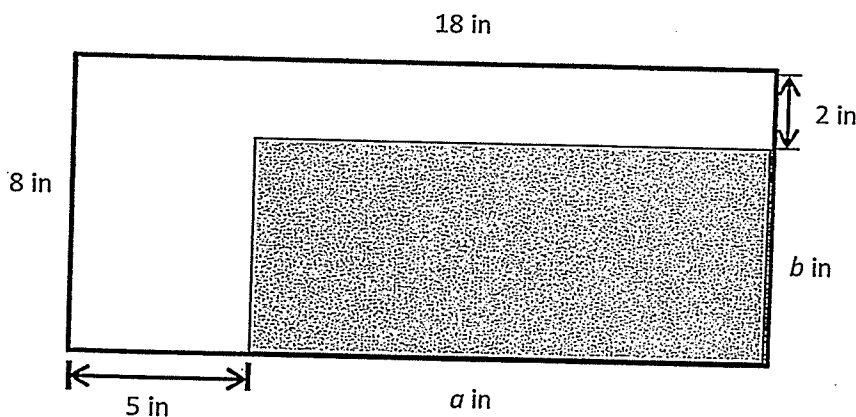


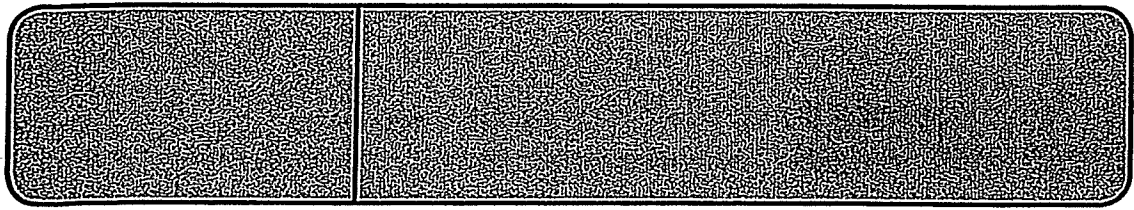
P =

2. Sari draws and labels the squares and rectangle below. Find the perimeter of the new shape.



3. Label the unknown side lengths. Then, find the perimeter of the shaded rectangle.

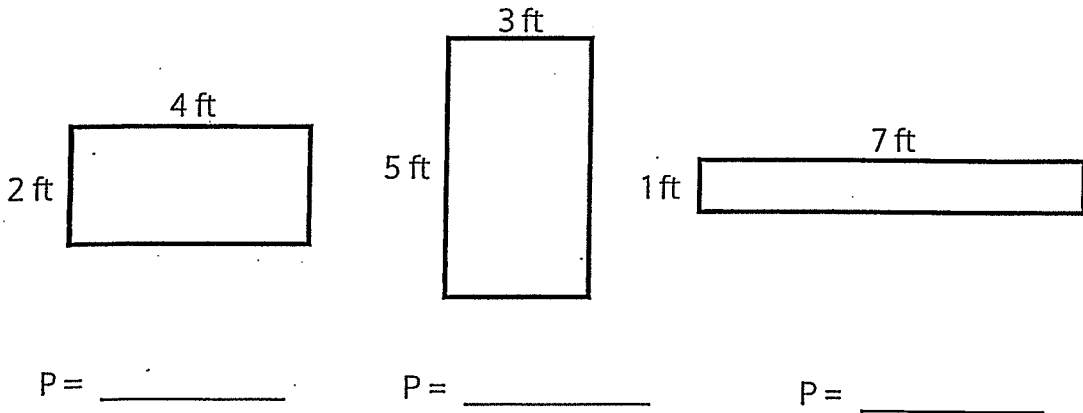




Name: _____ Date: _____

Complete: Class: _____

1. Find the perimeter of each rectangle given. Then plot the perimeters on the line plot.



Number of Rectangles Made with a Given Perimeter



Perimeter Measurements in Feet

X = 1 Rectangle

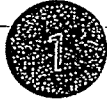


Lesson ¹²~~28~~
G:3 M:7

Perimeter Puzzler

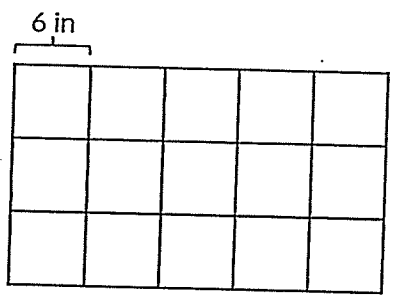
ZEARN STUDENT NOTES

Name: _____ Date: _____
Complete: Class: _____

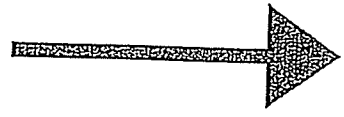


Raj uses 6-inch square tiles to make a rectangle, as shown below.

What is the perimeter of the rectangle in inches?



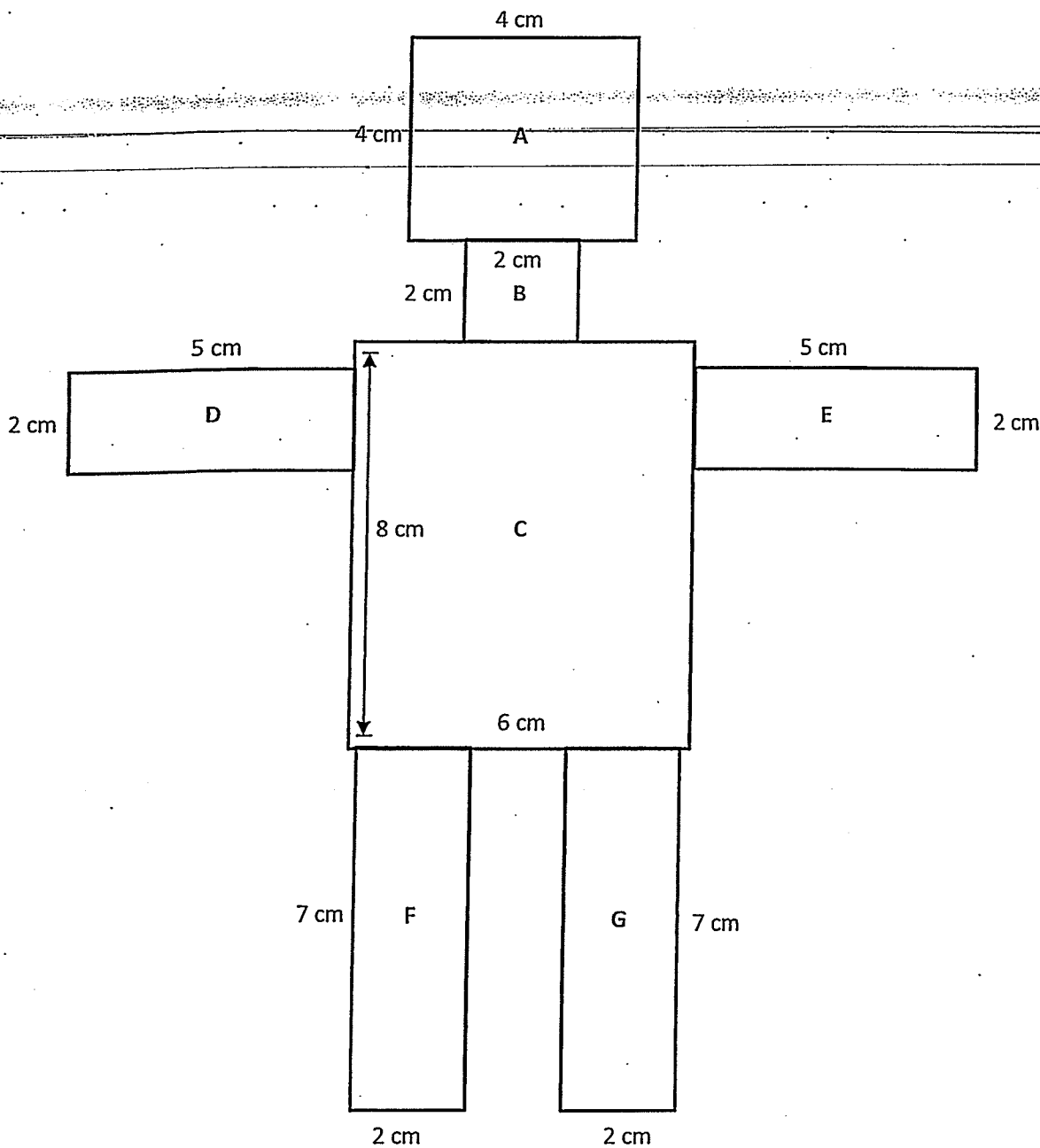
SOLVE



Name _____

Date _____

The robot below is made of rectangles. The side lengths of each rectangle are labeled. Find the perimeter of each rectangle, and record it in the table on the next page.



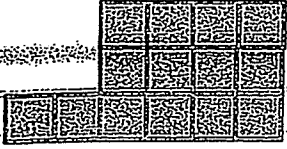
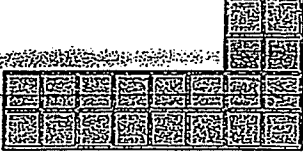
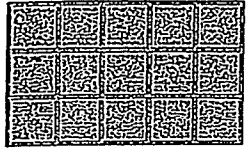
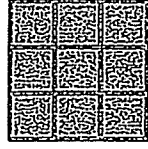
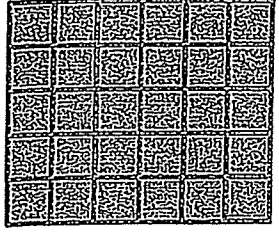
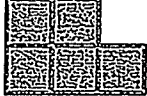
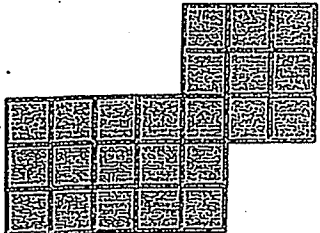
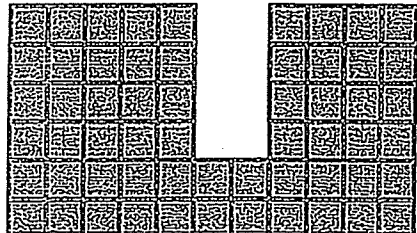
Rectangle	Perimeter
A	$P = 4 \times 4 \text{ cm}$ $P = 16 \text{ cm}$
B	
C	
D	
E	
F	
G	

Perimeters of rectangular shapes

Grade 3 Geometry Worksheet

If each of the square is 1 unit by 1 unit (shown below), find the perimeter for the shapes shown below.

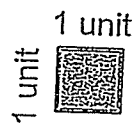


	
<p>_____</p>	<p>_____</p>
	
<p>_____</p>	<p>_____</p>
	
<p>_____</p>	<p>_____</p>
	
<p>_____</p>	<p>_____</p>

Perimeters of rectangular shapes

Grade 3 Geometry Worksheet

If each of the square is 1 unit by 1 unit (shown below), find the perimeter for the shapes shown below.

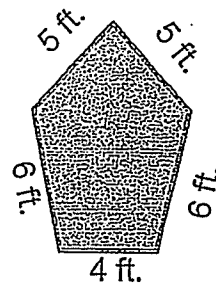
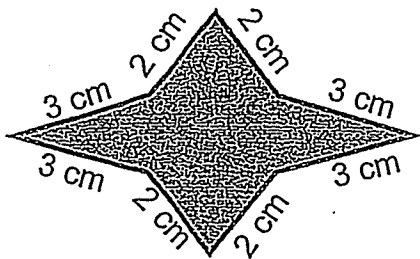
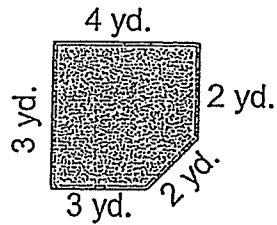
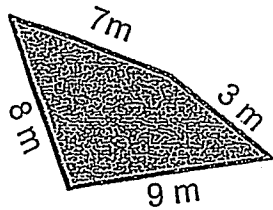
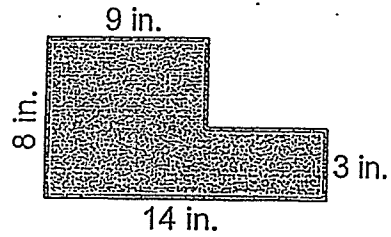
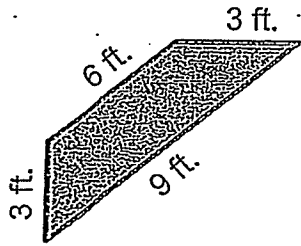
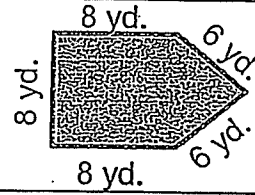
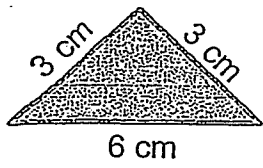


_____	_____
_____	_____
_____	_____
_____	_____

Perimeters of irregular shapes

Grade 3 Geometry Worksheet

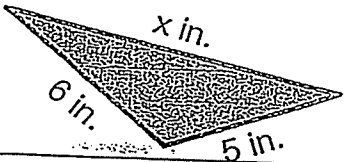
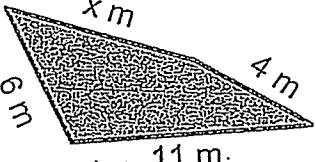
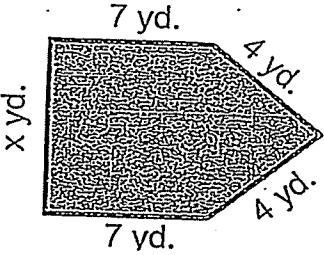
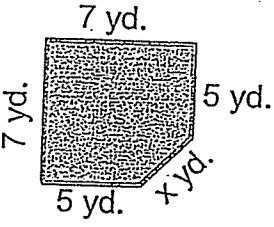
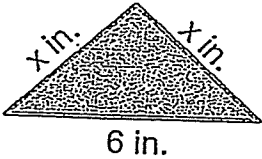
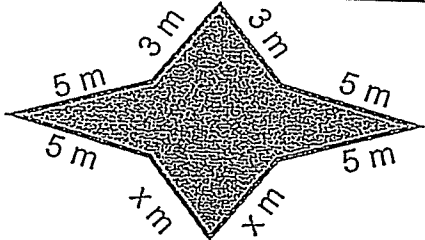
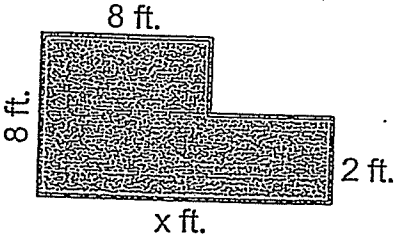
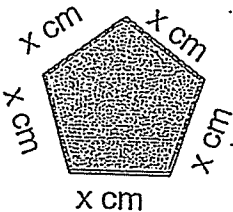
Find the perimeter for the shapes shown below.



Perimeters of irregular shapes (missing sides)

Grade 3 Geometry Worksheet

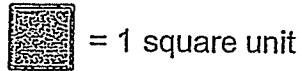
Find the length of the side marked with an "X".

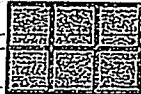
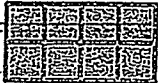
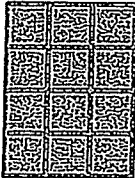
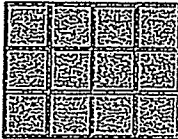
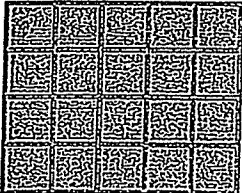
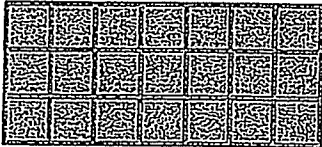
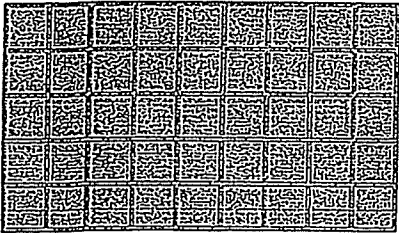
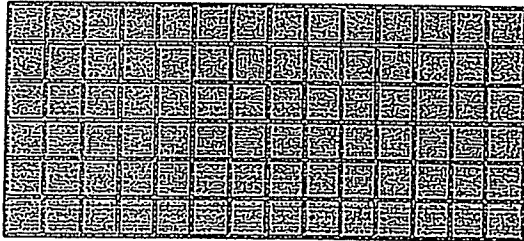
	
<p>If perimeter = 19 in., $x =$ _____</p>	<p>If perimeter = 28 m, $x =$ _____</p>
	
<p>If perimeter = 28 yd., $x =$ _____</p>	<p>If perimeter = 27 yd., $x =$ _____</p>
	
<p>If perimeter = 16 in., $x =$ _____</p>	<p>If perimeter = 34 m, $x =$ _____</p>
	
<p>If perimeter = 40 ft., $x =$ _____</p>	<p>If perimeter = 45 cm, $x =$ _____</p>

Areas of rectangles using a grid

Grade 3 Geometry Worksheet

If each of the square is 1 square unit (shown below), find the area for the rectangles shown below.

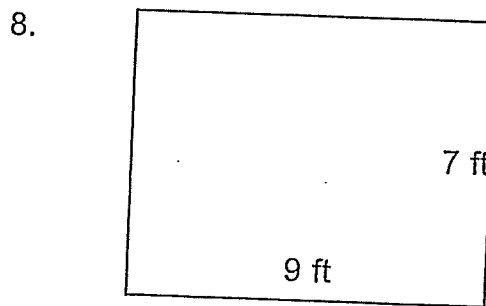
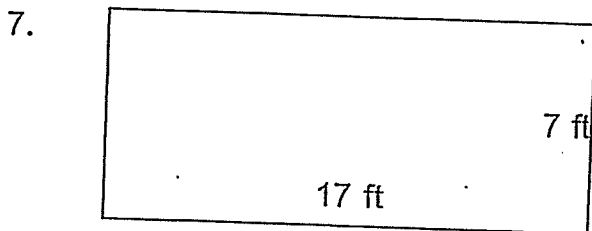
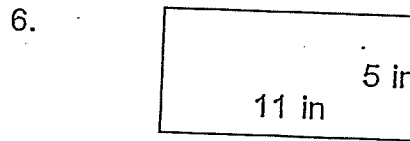
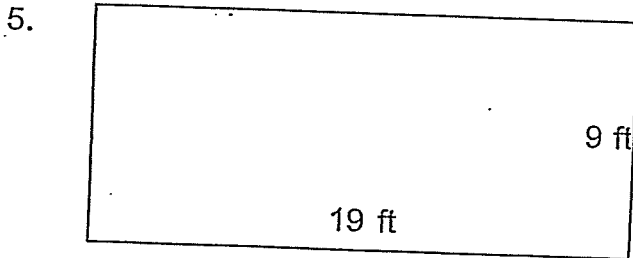
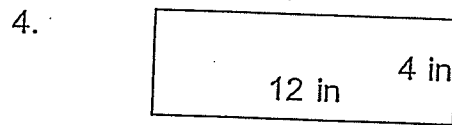
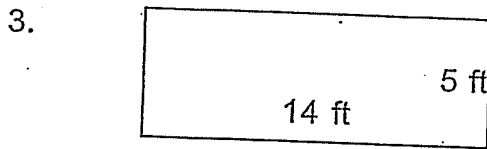
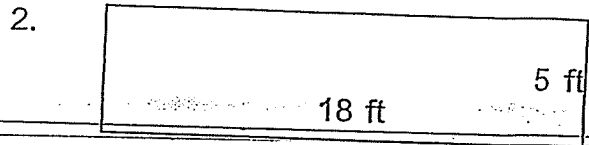
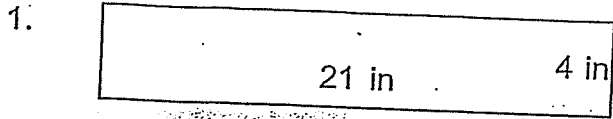


 _____	 _____
 _____	 _____
 _____	 _____
 _____	 _____

Area of rectangles

Grade 3 Geometry Worksheet

Find the area of each rectangle.



74

36

44

19

51

13

- 1) To earn some extra money Amy started selling handmade bracelets. She spent 5 dollars on supplies and began selling them for \$2 each. She sold 9 before running out of supplies. How much of what she earned was profit?
- 2) For a project, a builder purchased 7 boxes of bolts with each box containing 11 bolts. He ended up finishing the project 6 days early and with 3 bolts left over. How many bolts did he use for the project?
- 3) For the science fair Carol wanted to see how many minutes of videos she watched were ads. She watched 6 videos with each video lasting 9 minutes. After watching the videos she calculated that she had watched 3 minutes of ads over all the videos. How many minutes were not ads?
- 4) On the home screen of Olivia's tablet she had 7 rows of apps with 7 apps on each row. If she deleted 5 apps, how many would she have left on her home screen?
- 5) Tom has a job mowing lawns around his neighborhood. Each month he spends \$17 on gas and mowes 3 lawns (charging \$12 per lawn mowed). How much profit does Tom earn each month?
- 6) Cody was selling drawings for \$5 each. For every 8 drawings he sold, he had to use \$4 in art supplies to make them. How much profit would he make if he sold 8 drawings?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

38

42

25

59

33

23

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____

1) Henry was selling drawings for \$5 each. For every 7 drawings he sold, he had to use \$2 in art supplies to make them. How much profit would he make if he sold 7 drawings?

2) Jerry has a job mowing lawns around his neighborhood. Each month he spends \$7 on gas and mowes 3 lawns (charging \$10 per lawn mowed). How much profit does Jerry earn each month?

3) A chef bought 5 bags of apples for \$24. Each bag had ten apples, but he had to throw away 12 apples because they were rotten. How many good apples did the chef end up with?

4) A toy company had an order of 6 boxes to ship. Unfortunately this was 18 pounds over the shipping weight limit per order. If each box weighs 10 pounds, what is the maximum shipping weight per order?

5) On the home screen of Katie's tablet she had 9 rows of apps with 10 apps on each row. If she deleted 31 apps, how many would she have left on her home screen?

At the book store they were offering a deal where you get \$3 off when you purchase 7 books. If Robin bought 7 books and each book cost \$4, how much would her final price be?

Round each number as described.

1) Round to the nearest ten. 4,449 _____

2) Round to the nearest hundred. 464 _____

3) Round to the nearest ten. 2,984 _____

4) Round to the nearest hundred. 445 _____

5) Round to the nearest ten. 3,167 _____

~~6) Round to the nearest hundred. 226 _____~~

7) Round to the nearest ten. 84,066 _____

8) Round to the nearest hundred. 8,208 _____

9) Round to the nearest ten. 967 _____

10) Round to the nearest hundred. 685 _____

11) Round to the nearest ten. 444 _____

12) Round to the nearest hundred. 3,400 _____

13) Round to the nearest ten. 866 _____

14) Round to the nearest hundred. 582 _____

15) Round to the nearest ten. 8,664 _____

16) Round to the nearest hundred. 257 _____

17) Round to the nearest ten. 98,428 _____

18) Round to the nearest hundred. 68,653 _____

19) Round to the nearest ten. 23,987 _____

20) Round to the nearest hundred. 337 _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

Determine which choice best describes the coins in the order shown.

Answers



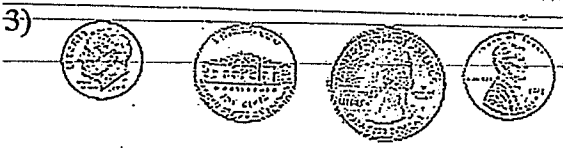
- A. nickel, dime, quarter, penny
- B. penny, dime, quarter, nickel
- C. quarter, dime, penny, nickel
- D. dime, nickel, quarter, penny

1. _____



- A. penny, quarter, nickel, dime
- B. nickel, penny, quarter, dime
- C. nickel, penny, dime, quarter
- D. penny, nickel, quarter, dime

2. _____



- A. dime, nickel, quarter, penny
- B. dime, penny, nickel, quarter
- C. nickel, quarter, dime, penny
- D. nickel, dime, penny, quarter

3. _____



- A. penny, nickel, quarter, dime
- B. dime, quarter, nickel, penny
- C. dime, nickel, quarter, penny
- D. nickel, dime, penny, quarter

4. _____



- A. dime, quarter, nickel, penny
- B. dime, penny, quarter, nickel
- C. nickel, dime, penny, quarter
- D. quarter, dime, nickel, penny

5. _____



- A. nickel, penny, quarter, dime
- B. penny, dime, quarter, nickel
- C. quarter, dime, nickel, penny
- D. dime, nickel, quarter, penny

6. _____



- A. penny, dime, quarter, nickel
- B. quarter, penny, dime, nickel
- C. penny, nickel, dime, quarter
- D. dime, penny, quarter, nickel

7. _____



- A. nickel, quarter, dime, penny
- B. nickel, penny, quarter, dime
- C. quarter, nickel, penny, dime
- D. penny, nickel, dime, quarter

8. _____

Determine the amount of money shown.

Answers



1. _____



2. _____



3. _____

4. _____

5. _____



6. _____

7. _____



8. _____

9. _____

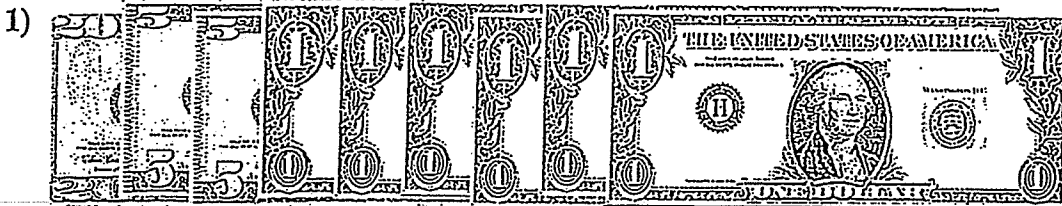


10. _____





- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____



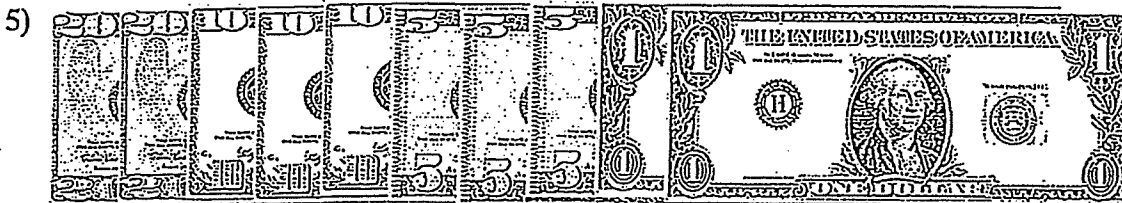
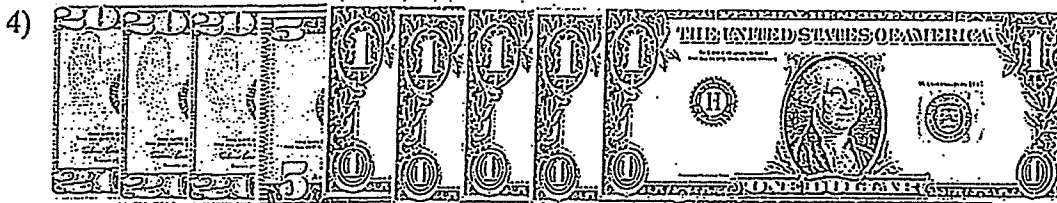
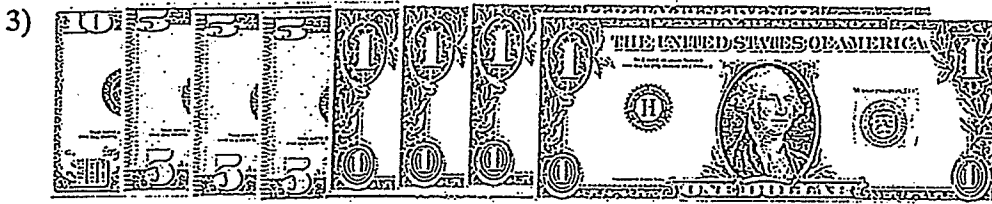
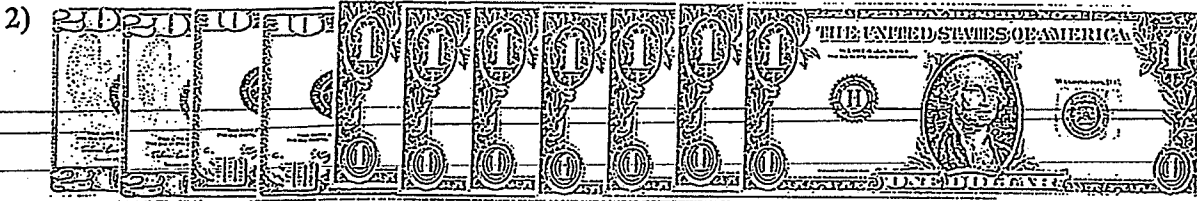
1. _____

2. _____

3. _____

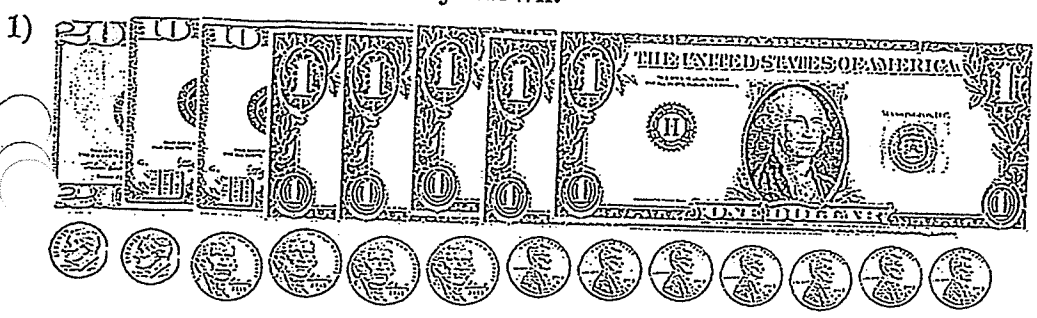
4. _____

5. _____



Determine the amount of money shown.

Answers



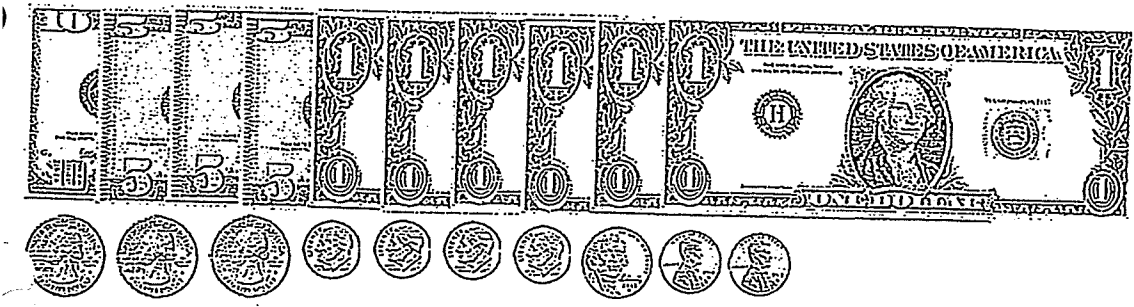
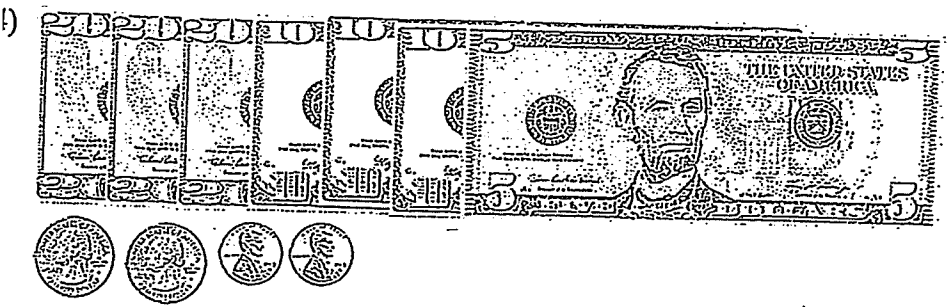
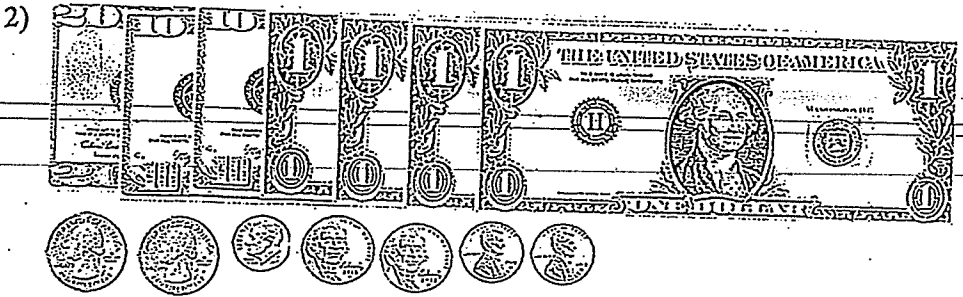
1. _____

2. _____

3. _____

4. _____

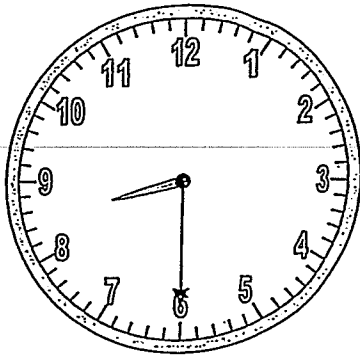
5. _____



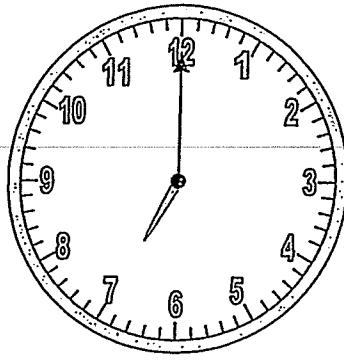
Determine the time shown on the clock.

Answers

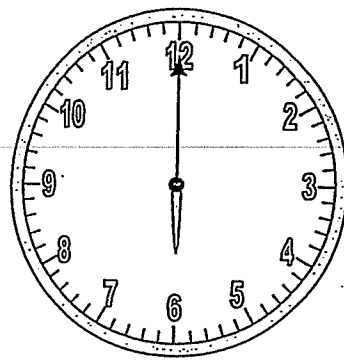
1)



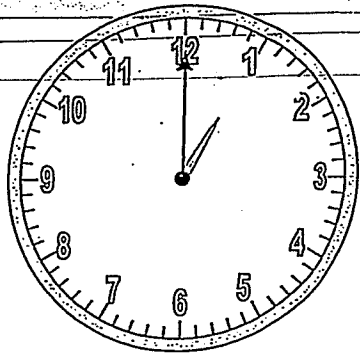
2)



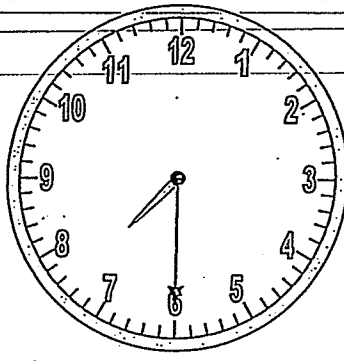
3)



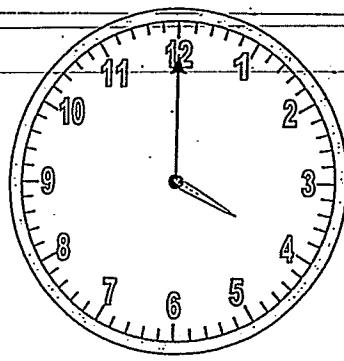
4)



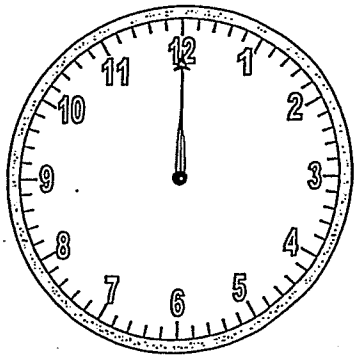
5)



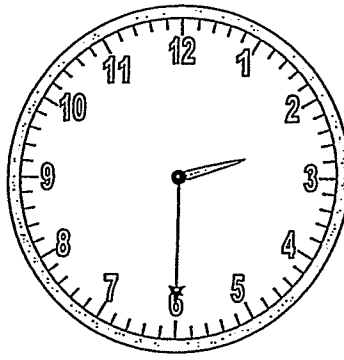
6)



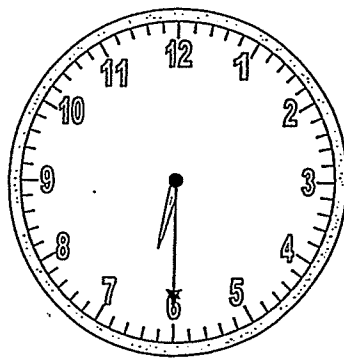
7)



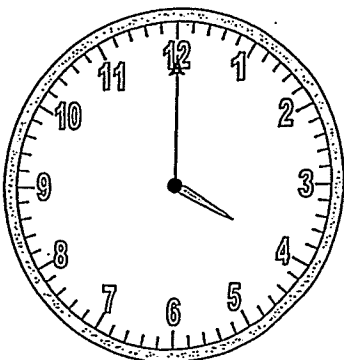
8)



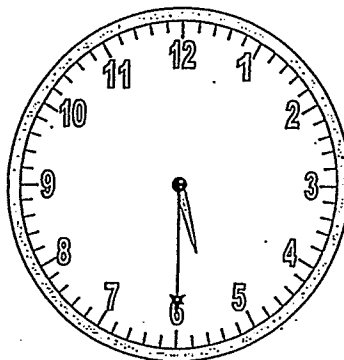
9)



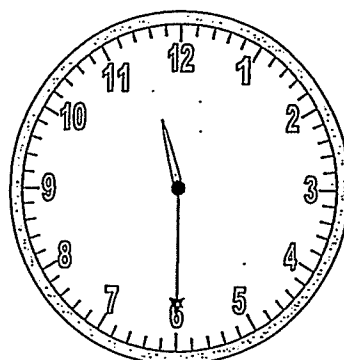
10)



11)



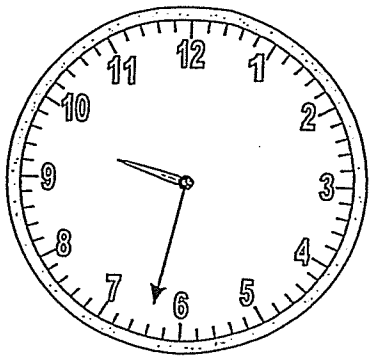
12)



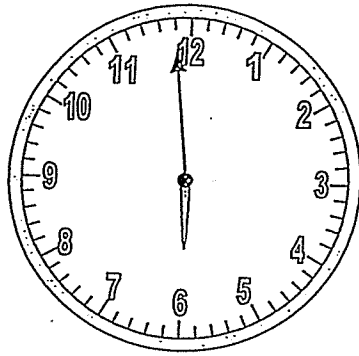
- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____

Determine the time shown on the clock.

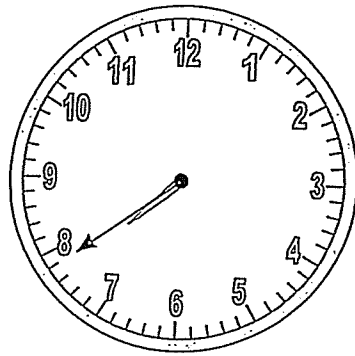
1)



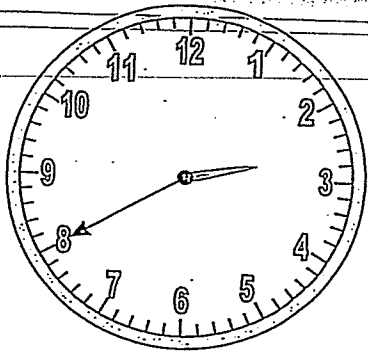
2)



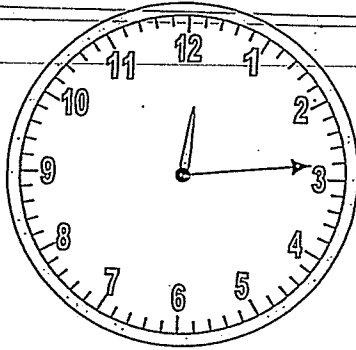
3)



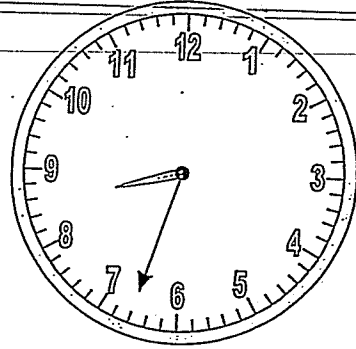
4)



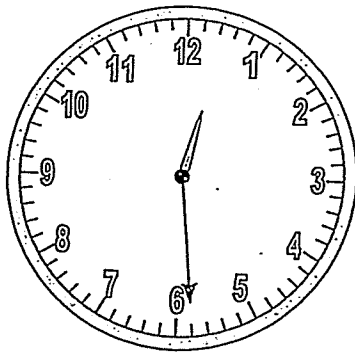
5)



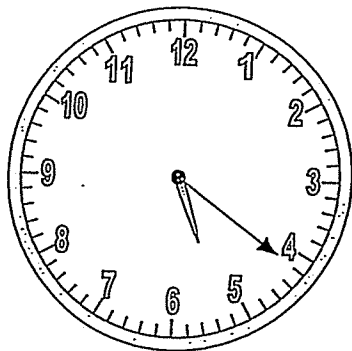
6)



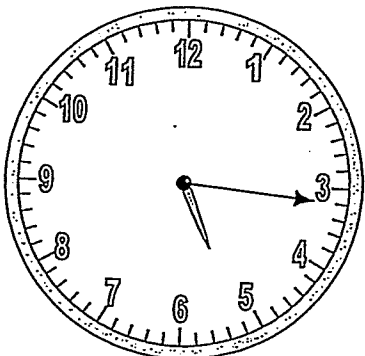
8)



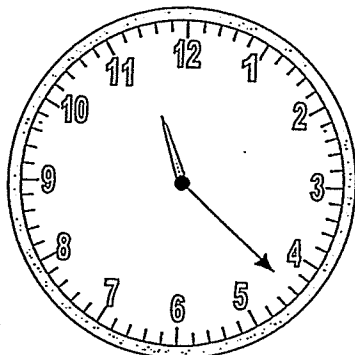
9)



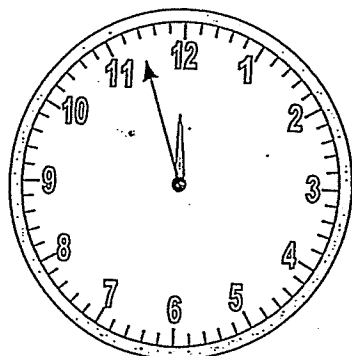
10)



11)



12)



Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

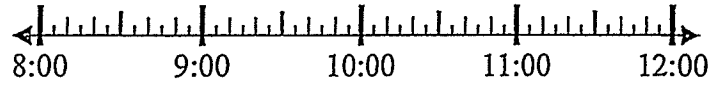
Solve each problem.

Answers

1) Start: 8:50

Elapsed: _____

End: 10:15

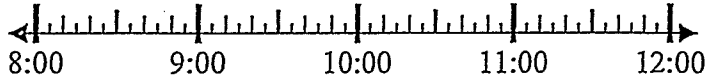


1. _____

2) Start: 8:20

Elapsed: _____

End: 9:30



2. _____

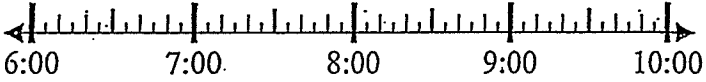
3. _____

4. _____

3) Start: 6:05

Elapsed: _____

End: 8:30



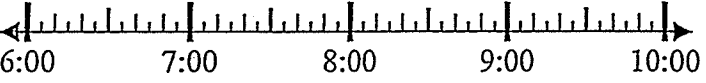
5. _____

6. _____

4) Start: 6:35

Elapsed: _____

End: 8:05

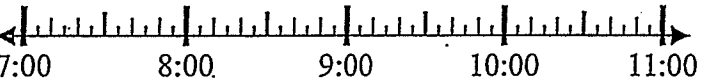


7. _____

5) Start: 7:50

Elapsed: _____

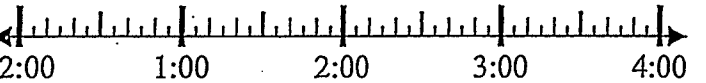
End: 9:05



6) Start: 12:20

Elapsed: _____

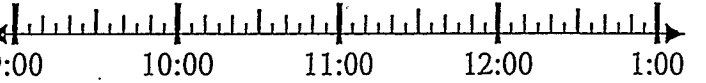
End: 1:55



7) Start: 9:00

Elapsed: _____

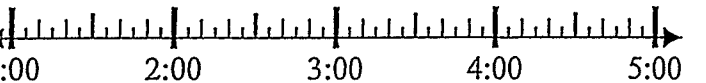
End: 10:30



8) Start: 1:20

Elapsed: _____

End: 2:30



5. _____

7. _____

8. _____

6. _____

3. _____

4. _____

2. _____

1. _____

5. _____

7. _____

8. _____

6. _____

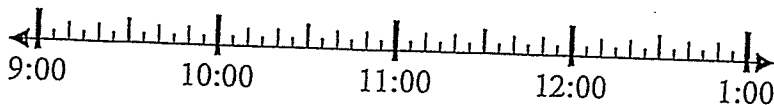
3. _____

4. _____

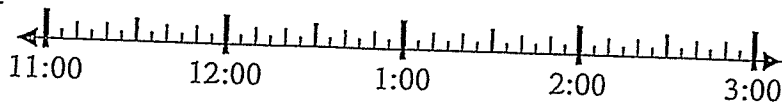
2. _____

1. _____

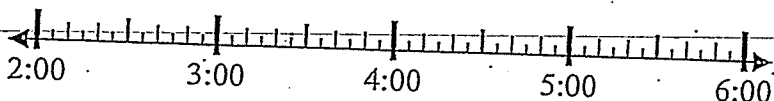
1) Start: _____
Elapsed: 2 hrs & 25 mins
End: 12:10



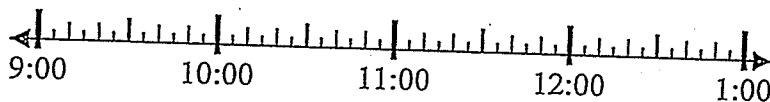
2) Start: _____
Elapsed: 2 hrs & 30 mins
End: 2:00



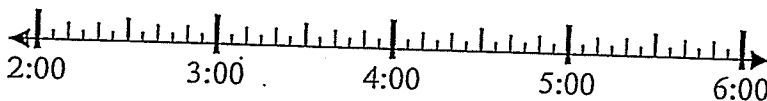
3) Start: _____
Elapsed: 1 hr & 10 mins
End: 3:55



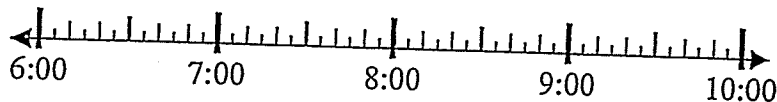
4) Start: _____
Elapsed: 1 hr & 45 mins
End: 10:50



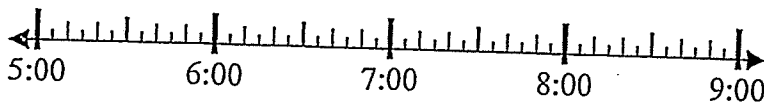
Start: _____
Elapsed: 2 hrs & 25 mins
End: 5:15



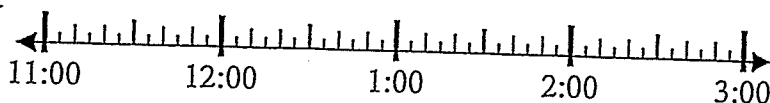
Start: _____
Elapsed: 2 hrs & 40 mins
End: 9:15



Start: _____
Elapsed: 2 hrs & 20 mins
End: 8:05



Start: _____
Elapsed: 2 hrs & 55 mins
End: 2:40



- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____

1) Paige finished watching TV at 6:30. If she had been watching it for 3 hours and 55 minutes, what time was it when she started?

1. _____

2) Henry spent 3 hours and 10 minutes working on homework. If it was 4:25 when he finished, what time was it when he started?

2. _____

3) Tiffany was helping her mom cook dinner. If they finished at 9:20 and had spent 3 hours and 35 minutes cooking, what time did they start?

3. _____

4. _____

5. _____

4) Will was invited to a birthday party that ended at 9:25. If it lasted 3 hours and 35 minutes what time did the party start?

6. _____

5) Amy went to the town carnival. She ended up staying for 3 hours and 15 minutes. If Amy left the carnival at 4:55, what time did she originally get there?

7. _____

8. _____

6) The school football game ended at 7:15. If the game lasted 3 hours and 50 minutes, what time did it start?

9. _____

10. _____

7) Olivia got out of the movie theater at 7:25. If the movie was 3 hours and 40 minutes long, what time did it start?

8) Nancy spent 1 hour and 45 minutes practicing for music. If she stopped practicing at 8:15 what time was it when she started?

9) Isabel spent 2 hours and 50 minutes cleaning her room. If she finished at 5:05, what time did she start cleaning?

10) George took a nap for 1 hour and 40 minutes. If he woke up at 5:05, what time was it when he started his nap?

Round each number as described.

- 1) Round to the nearest ten. 7,117 _____
- 2) Round to the nearest hundred. 69,006 _____
- 3) Round to the nearest ten. 83,220 _____
- 4) Round to the nearest hundred. 9,029 _____
- 5) Round to the nearest ten. 226 _____
- 6) Round to the nearest hundred. 6,336 _____
- 7) Round to the nearest ten. 86,074 _____
- 8) Round to the nearest hundred. 29,565 _____
- 9) Round to the nearest ten. 3,917 _____
- 0) Round to the nearest hundred. 27,512 _____
- 1) Round to the nearest ten. 78,724 _____
- 2) Round to the nearest hundred. 58,526 _____
- 3) Round to the nearest ten. 79,802 _____
- 4) Round to the nearest hundred. 104 _____
- 5) Round to the nearest ten. 35,220 _____
- 6) Round to the nearest hundred. 369 _____
- 7) Round to the nearest ten. 8,139 _____
- 8) Round to the nearest hundred. 66,634 _____
- 9) Round to the nearest ten. 64,643 _____
- 0) Round to the nearest hundred. 12,914 _____

Answers

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____
- 13. _____
- 14. _____
- 15. _____
- 16. _____
- 17. _____
- 18. _____
- 19. _____
- 20. _____

Determine a number that fits in the blank. Answers will vary.

Answers

1) _____ rounded to the nearest ten is 20.

2) _____ rounded to the nearest ten is 30.

3) _____ rounded to the nearest ten is 10.

4) _____ rounded to the nearest ten is 180.

5) _____ rounded to the nearest ten is 450.

6) _____ rounded to the nearest ten is 470.

7) _____ rounded to the nearest ten is 3,010.

8) _____ rounded to the nearest ten is 5,560.

9) _____ rounded to the nearest ten is 3,550.

10) _____ rounded to the nearest ten is 34,700.

11) _____ rounded to the nearest hundred is 600.

12) _____ rounded to the nearest hundred is 100.

13) _____ rounded to the nearest hundred is 400.

14) _____ rounded to the nearest hundred is 6,500.

15) _____ rounded to the nearest hundred is 4,200.

16) _____ rounded to the nearest hundred is 8,500.

17) _____ rounded to the nearest hundred is 68,700.

18) _____ rounded to the nearest hundred is 12,200.

19) _____ rounded to the nearest hundred is 31,800.

20) _____ rounded to the nearest hundred is 27,100.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

Answers

1) In one year a photographer took 322 pictures of animals and 859 pictures of people. To the nearest ten, how many pictures did he take total?

1. _____

2) The classes in the fourth grade were counting the fundraiser money they earned. Mr. Smith's Class earned 246 dollars and Mrs. White's class earned 833 dollars. To the nearest ten, how much did they earn total?

2. _____

3) A grocery store ordered 491 bottles of regular soda and 117 bottles of diet soda. To the nearest ten, what is the total number of bottles the store ordered?

3. _____

4. _____

5. _____

4) For lunch, 603 students selected chocolate milk and 825 selected regular milk. To the nearest hundred, how many milks were taken total?

6. _____

7. _____

5) During a 'Super Saturday Sale', a shoe store sold 300 pairs of sneakers and 567 pairs of sandals. To the nearest ten, what is the total number of shoes the store sold?

8. _____

9. _____

6) In a math book, there were 882 problems in chapter one and 170 in chapter two. To the nearest ten, how many problems are there in the first 2 chapters?

10. _____

7) Two friends were counting the number of texts they sent in a month. Alex sent 812 and Jessie sent 460. To the nearest ten, what is the combined amount of texts they sent?

8) In one day, a mail truck gave out 166 letters and 145 magazines. To the nearest hundred, how many pieces of mail did was delivered total?

9) In one month a furniture store sold 714 plastic chairs and 645 wooden chairs. To the nearest ten, how many chairs did they sell total?

10) A zoologist was checking the weights of two gorillas. Gorilla A weighed 489 pounds and gorilla B weighed 388 pounds. To the nearest ten, what is the combined weight of both gorillas?

