

# 5<sup>th</sup> Grade Math

Week of May 3 - May 7, 2021



Name \_\_\_\_\_

\* Please do not complete until advised by teacher\*

Standards

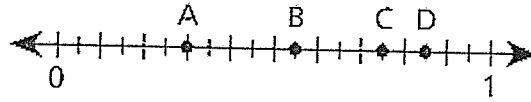
Review

(2019)

\*This standard appears on the Grade 5 test.

4

Which point on the number line below represents a value of 0.75?



A point A

B point B

C point C

D point D

(2018)

\*This standard is appears on the Grade 5 test.

33

Which decimal number is equivalent to  $\frac{73}{100}$ ?

A 0.73

B 7.30

C 73.100

D 100.73

(2017)

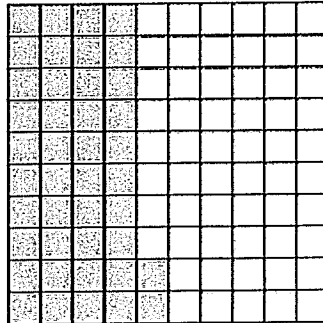
\*This standard is appears on the Grade 5 test.

(2018)

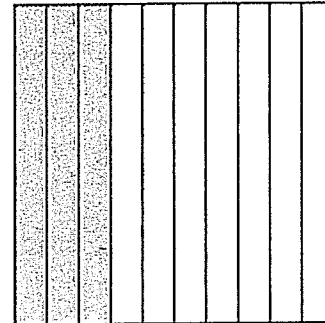
\*This question appears on the Grade 5 NYS Test.

2

The shaded parts of the models below each represent a fraction.



+



What is the sum of the fractions?

- A  $\frac{45}{110}$
- B  $\frac{65}{110}$
- C  $\frac{70}{100}$
- D  $\frac{72}{100}$

(2019)

\*This standard appears on the Grade 5 test.

33 Which measurement is equivalent to 4,000 centimeters?

- A 4 meters
- B 40 meters
- C 400 meters
- D 40,000 meters

2017

The table below shows the distance some players hit a softball.

**SOFTBALL DISTANCES**

Name	Distance
Amalia	36 inches
Nick	6 feet
Lila	108 inches

Pablo hit the softball 2 yards. Which player or players hit the softball the same distance as Pablo?

- A Amalia only
- B Nick only
- C Lila only
- D Amalia and Nick

\*This standard appears on the Grade 5 NYS Test.

(2019)  
5.NF.7c

20 Jack puts  $\frac{1}{3}$  pound of birdseed into his bird feeder every time he fills it. How many times can Jack fill his bird feeder with 4 pounds of birdseed?

- A  $1\frac{1}{3}$
- B  $3\frac{2}{3}$
- C 11
- D 12

5.NF.7a

26 What is the value of the expression  $\frac{1}{7} \div 5$ ?

- A  $\frac{1}{12}$
- B  $\frac{1}{35}$
- C  $\frac{5}{7}$
- D  $\frac{6}{7}$

(2018)

5.NF.B.7a

29

Which situation could the expression  $\frac{1}{4} \div 3$  represent?

- A  $\frac{1}{4}$  of a package of pencils shared equally among three friends
- B the number of  $\frac{1}{4}$ -cup servings in three cups of popcorn
- C  $\frac{1}{3}$  of a stadium split into four equal sections
- D a four-foot-long rope cut into  $\frac{1}{3}$ -foot pieces

5.NF.B.7c

31

How many  $\frac{1}{3}$ -cup servings are in 4 cups?

- A  $\frac{1}{12}$
- B  $\frac{3}{4}$
- C 4
- D 12

(2019)

3

On Saturday, Mark sold  $2\frac{7}{8}$  gallons of lemonade. On the same day, Regan sold  $\frac{2}{3}$  as much lemonade as Mark. How much lemonade, in gallons, did Regan sell?

A  $1\frac{5}{16}$

B  $1\frac{11}{12}$

C  $2\frac{7}{12}$

D  $4\frac{5}{16}$

37

Marco bakes cookies for his class. He uses  $\frac{3}{4}$  cup of butter in each batch of cookies and bakes  $2\frac{1}{2}$  batches. Which equation can be used to determine the number of cups of butter Marco uses to bake cookies?

A  $\frac{5}{2} \times \frac{3}{4} = 1\frac{7}{8}$

B  $\frac{3}{2} \times \frac{3}{4} = 1\frac{1}{8}$

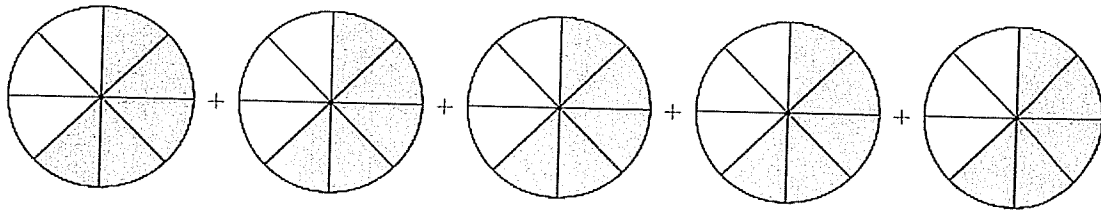
C  $\frac{5}{2} \times \frac{4}{3} = 3\frac{1}{3}$

D  $\frac{3}{2} \times \frac{4}{3} = 2$



(2018)

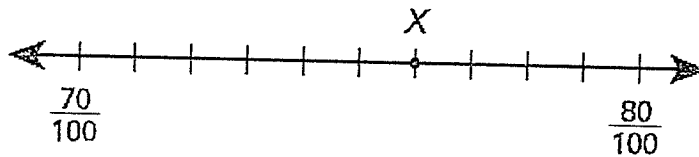
34 Which expression could be represented by the shaded parts of the model below?



- A  $\frac{5}{8} + \frac{5}{5}$
- B  $\frac{5}{8} \times \frac{5}{5}$
- C  $\frac{5}{8} + 5$
- D  $\frac{5}{8} \times 5$

(2016)

25 Which decimal **best** represents the location of point  $X$  on the number line below?



- A 0.076
- B 0.077
- C 0.76
- D 0.77

(2018)

14

Which statement describes the value of the expression below?

$$67 \times \frac{1}{6}$$

- A The value is less than 67.
- B The value is equal to 67.
- C The value is greater than 67.
- D The value is greater than 0 and less than 1.

(2017)

5.NF.B.5a

41

Which expression has a value greater than  $\frac{1}{2}$ ?

A  $\frac{1}{2} \times \frac{4}{5}$

B  $\frac{1}{2} \times \frac{4}{4}$

C  $\frac{1}{2} \times \frac{5}{5}$

D  $\frac{1}{2} \times \frac{5}{4}$

5.NF.B.5b

29

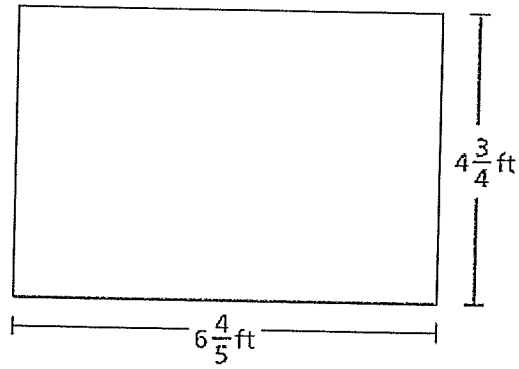
For which values of  $k$  would the product of  $\frac{k}{3} \times 12$  be greater than 12?

- A for any value of  $k$  less than 1 but greater than 0
- B for any value of  $k$  less than 3 but greater than 1
- C for any value of  $k$  equal to 3
- D for any value of  $k$  greater than 3

(2015)

(2019)  
5.NF.4b

13 What is the area, in square feet, of the rectangle shown below?



- A  $11\frac{11}{20}$
- B  $24\frac{12}{20}$
- C  $27\frac{4}{20}$
- D  $32\frac{6}{20}$

5.NF.4a

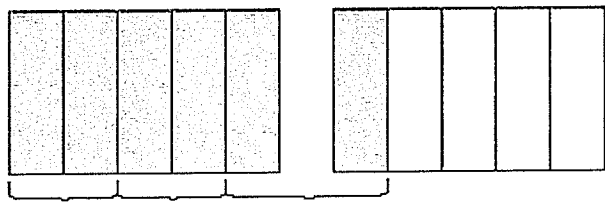
38 Which expression is **not** equivalent to  $\frac{2}{3} \times 4$ ?

- A  $(2 \times 4) \div 3$
- B  $\frac{1}{3} \times (2 \times 4)$
- C  $(4 \times \frac{1}{3}) \times 2$
- D  $(2 \times \frac{1}{3}) + (4 \times \frac{1}{3})$

(2018)

11

The model below is shaded to represent an expression.



Which expression represents the model?

- A  $\frac{1}{3} \times \frac{2}{5}$
- B  $\frac{1}{3} \times \frac{5}{2}$
- C  $3 \times \frac{2}{5}$
- D  $3 \times \frac{5}{2}$

(2017)

32

Each day last week, Ms. Wilson walked  $\frac{3}{4}$  mile. What is the total distance, in miles, that Ms. Wilson walked in 4 days?

- A 1
- B 2
- C 3
- D 4

(2019)

21 Carlos makes 1 pound of snack mix using nuts, raisins, and cereal. The list below shows how many pounds of nuts and raisins he uses.

- $\frac{1}{3}$  pound of nuts
- $\frac{2}{5}$  pound of raisins

How much cereal, in pounds, does Carlos use?

- A  $\frac{3}{8}$
- B  $\frac{5}{8}$
- C  $\frac{4}{15}$
- D  $\frac{11}{15}$

(2017)

21 Each student in a class plays one of three sports: soccer, volleyball, or basketball.

- $\frac{3}{5}$  of the number of students play soccer
- $\frac{1}{4}$  of the number of students play volleyball

What fraction of the number of students play basketball?

- A  $\frac{3}{20}$
- B  $\frac{4}{9}$
- C  $\frac{5}{9}$
- D  $\frac{17}{20}$

(2019)

32 What is the value of the expression  $\frac{2}{5} + \frac{3}{7}$ ?

- A  $\frac{5}{35}$
- B  $\frac{6}{35}$
- C  $\frac{5}{12}$
- D  $\frac{29}{35}$

34 Zaire is making granola bars. For one batch of bars, the recipe requires  $1\frac{2}{3}$  cups of rolled oats, and  $\frac{1}{2}$  cup raisins. What is the combined amount, in cups, of rolled oats and raisins that is used in one batch of granola bars?

- A  $1\frac{1}{5}$
- B  $1\frac{3}{5}$
- C  $2\frac{1}{3}$
- D  $2\frac{1}{6}$

(2018)

10 A school librarian ordered new books for the library. Of the new books ordered,  $\frac{1}{3}$  are science,  $\frac{2}{5}$  are biography, and the rest of the books are fiction. What fraction of the books ordered are fiction?

- A  $\frac{3}{5}$
- B  $\frac{3}{8}$
- C  $\frac{4}{15}$
- D  $\frac{11}{15}$

32

What is the value of  $9\frac{2}{3} - 4\frac{1}{5}$ ?

A  $5\frac{1}{8}$

B  $5\frac{7}{8}$

C  $5\frac{5}{15}$

D  $5\frac{7}{15}$

(2017)

2

Tara baked  $6\frac{1}{2}$  dozen cookies. She sold  $3\frac{2}{6}$  dozen of the cookies she made. How many dozens of cookies does Tara have remaining?

A  $3\frac{1}{6}$

B  $3\frac{1}{4}$

C  $3\frac{3}{8}$

D  $3\frac{5}{6}$

(2018)

**13** Which shape always has four congruent sides?

- A parallelogram
- B rectangle
- C rhombus
- D trapezoid

**37** Ursula drew a polygon in which all the angles were obtuse. What kind of polygon could she have drawn?

- A trapezoid
- B parallelogram
- C triangle
- D pentagon

(2016)



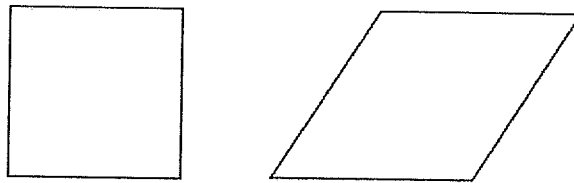
(2019)

31 Which statement about rectangles and rhombuses is always true?

- A Both figures are squares.
- B Both figures are quadrilaterals.
- C Both figures have four right angles.
- D Both figures have four congruent sides.

(2017)

25 A square and a rhombus are shown below.



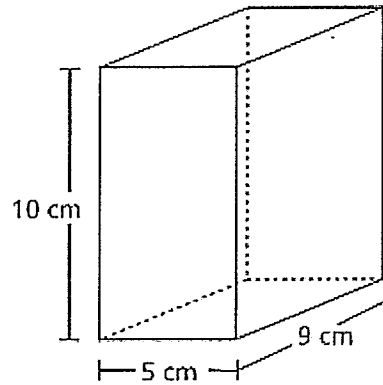
Which attribute is true of one of the shapes but not of both?

- A All angles are right angles.
- B All sides are the same length.
- C There are two sets of equal angles.
- D There are two sets of parallel sides.

(2019)  
5.MD.5b

1

A gift box is in the shape of a right rectangular prism, as pictured below.



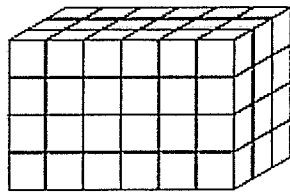
What is the volume, in cubic centimeters, of the gift box?

- A 24
- B 45
- C 225
- D 450

5.MD.5a

18

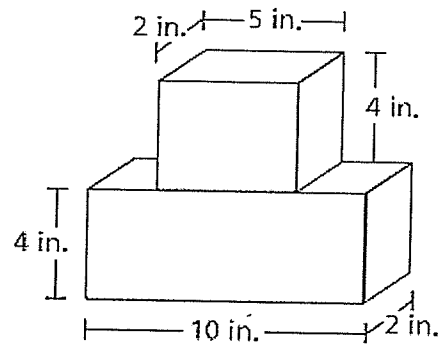
Which expression **cannot** be used to determine the volume of the rectangular prism pictured below?



- A  $12 \times 6$
- B  $18 \times 4$
- C  $6 \times 3 \times 4$
- D  $6 \times 4 \times 6$

5.MD.5c

30 Lana used the two blocks pictured in the diagram to build a tower.



LANA'S TOWER

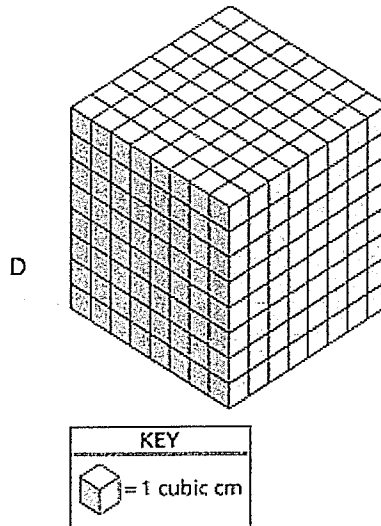
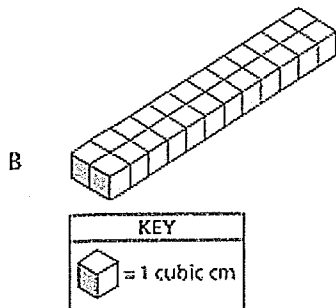
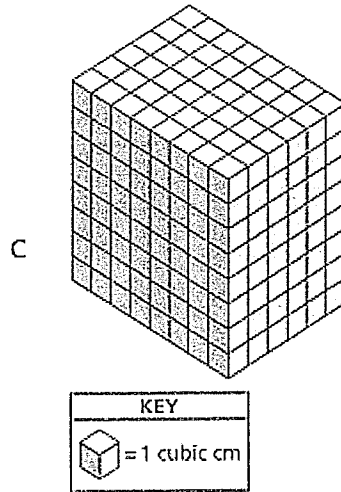
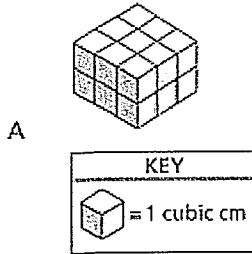
What is the total volume, in cubic inches, of the tower Lana built?

- A 27
- B 80
- C 116
- D 120

(2018)

5.MD.C.5a

3 Jake used 1-centimeter cubes to build a right rectangular prism that has a volume of 24 cubic centimeters. Which figure could represent the prism that Jake built?



**30**

Caley builds a rectangular prism using 18 cubes that each measure 1 centimeter on each side. What could be the dimensions of her rectangular prism?

- A length: 2 cm width: 2 cm height: 3 cm
- B length: 2 cm width: 3 cm height: 3 cm
- C length: 3 cm width: 3 cm height: 3 cm
- D length: 6 cm width: 6 cm height: 6 cm

5.MD.C.5b

**35**

Three boxes are shipped on a truck. Each box has a base of 16 square feet. Two of the boxes have a height of 3 feet and one box has a height of 5 feet. What is the total volume, in cubic feet, of the three boxes?

- A 240
- B 176
- C 144
- D 128

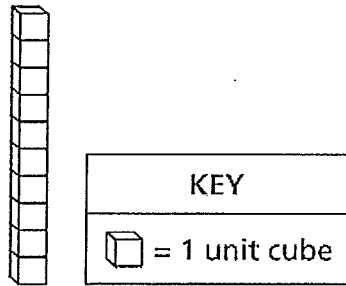
(2017)

5.MD.C.5a

(2018)

38

Anna is building a figure that has three columns of unit cubes. The first column is shown below.



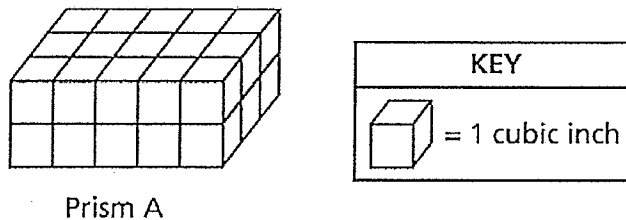
The other two columns each have four fewer unit cubes than the first column. What is the volume, in cubic units, of Anna's figure?

- A 12
- B 16
- C 22
- D 24

(2017)

3

Prism A is shown below. The height of Prism B is 2 times the height of Prism A. The length and width of both prisms are the same.



Prism A

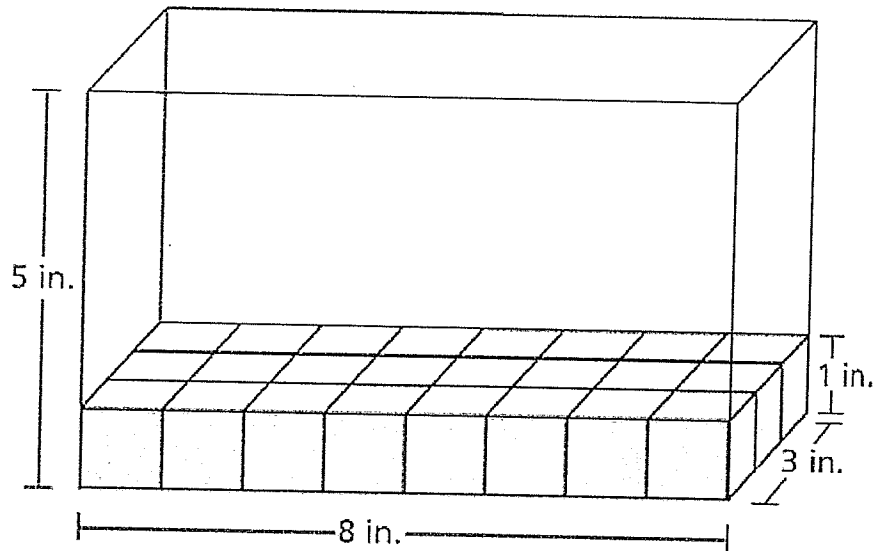
What is the volume, in cubic inches, of Prism B?

- A 20
- B 44
- C 45
- D 60

(2018)

17

The diagram below shows some 1-inch cubes placed in a box.



How many more 1-inch cubes are needed to completely fill the box?

- A 16
- B 24
- C 96
- D 120

5.MD.C.3b

28

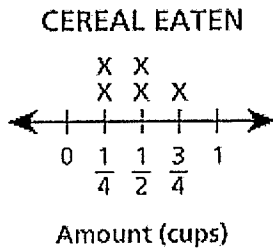
The volume of a single layer in a rectangular prism is 18 cubic centimeters. There are 5 layers in this rectangular prism. What is the volume, in cubic centimeters, of this rectangular prism?

- A 90
- B 23
- C 13
- D 3.6

(2019)

29

The line plot below shows the amount of cereal Shyanne ate in 5 days.



What is the total number of cups of cereal that Shyanne ate in the 5 days?

- A  $1\frac{1}{2}$
- B  $1\frac{3}{4}$
- C  $1\frac{4}{6}$
- D  $2\frac{1}{4}$

(2017)



(2018)

24

A state fair held a heaviest-pumpkin contest. The winning pumpkin weighed 2,050 pounds. What is the weight, in ounces, of the winning pumpkin?

- A 8,200
- B 16,400
- C 24,600
- D 32,800

36

Lin's goal is to drink 8 cups of water every day. She drank 37 ounces before lunch today. How much more water does Lin need to drink today to reach her goal?

- A 27 ounces
- B 29 ounces
- C 59 ounces
- D 91 ounces

(2017)

(2019)

27

Cole has a rectangular garden with an area of 16.02 square meters. The length of the garden is 4.5 meters. What is the width, in meters, of the garden?

- A 3.56
- B 11.52
- C 16.12
- D 20.52

35

In a science class, Paula made a mixture by adding 2.05 milliliters of hydrogen peroxide and 6.15 milliliters of water together. Equal amounts of the whole mixture were poured into 5 empty containers. How much of the mixture, in milliliters, did she pour into each container?

- A 0.61
- B 1.64
- C 3.2
- D 13.4

(2019)

28

A school raised a total of \$1,648 to purchase new books. The money raised will be shared equally among 8 different classrooms. What is the total amount of money each classroom will receive?

- A \$206
- B \$207
- C \$260
- D \$270

(2018)

1

Mr. Smith has 1,104 student photos to display around the school. He plans to put them on 48 poster boards with the same number of photos on each poster board. How many student photos will Mr. Smith place on each poster board?

- A 20
- B 22
- C 23
- D 24

(2016)

3

What is the value of the expression  $3,972 \div 12$ ?

- A 372
- B 336
- C 331
- D 306

(2019)

**19** What is 15.74 rounded to the nearest whole number?

- A 10
- B 15
- C 16
- D 20

(2017)

**22** What is the value of 0.1561 rounded to the nearest tenth?

- A 0.15
- B 0.16
- C 0.1
- D 0.2

(2019)  
5.NBT.3a

**36**

What is 482.073 expressed in word form?

- A four eighty two and seventy three thousandths
- B four hundred eighty two thousand seventy three
- C four hundred eighty two and seventy three hundredths
- D four hundred eighty two and seventy three thousandths

(2018)  
5.NBT.A.3a

**18**

Which expression has a value that is greater than 42.537?

- A  $(4 \times 10) + (2 \times 1) + \left(5 \times \frac{1}{10}\right) + \left(9 \times \frac{1}{100}\right) + \left(3 \times \frac{1}{1,000}\right)$
- B  $(4 \times 10) + (1 \times 1) + \left(6 \times \frac{1}{10}\right) + \left(2 \times \frac{1}{100}\right) + \left(5 \times \frac{1}{1,000}\right)$
- C  $(4 \times 10) + (2 \times 1) + \left(5 \times \frac{1}{10}\right) + \left(3 \times \frac{1}{100}\right) + \left(7 \times \frac{1}{1,000}\right)$
- D  $(4 \times 10) + (2 \times 1) + \left(5 \times \frac{1}{10}\right) + \left(1 \times \frac{1}{100}\right) + \left(9 \times \frac{1}{1,000}\right)$

(2018)

25

Which expression can be used to represent 8 more than the product of 15 and 12?

- A  $15 \times 12 + 8$
- B  $(15 + 12) \times 8$
- C  $15 \times 12 \times 8$
- D  $15 \times (12 + 8)$

(2017)

7

Which phrase is represented by the expression  $5 \times (36 \div 9)$ ?

- A the product of 36 and 5, increased by 9
- B the product of 36 and 9, multiplied by 5
- C the sum of 36 and 9, multiplied by 5
- D the sum of 36 and 5, increased by 9

(2015)

1

Which expression represents the phrase "4 times the sum of 9 and 6"?

- A  $4 \times (9 + 6)$
- B  $4 \times 9 \div 6$
- C  $9 \div 6 \times 4$
- D  $9 \div (6 \times 4)$

(2017)

1 What part of the expression below should be calculated first?

$$8 + \{22 \times [15 + (14 \times 2)]\}$$

- A  $8 + 22$
- B  $22 \times 15$
- C  $14 \times 2$
- D  $15 + 14$

(2016)

23 What is the value of the expression below?

$$8 + 24 \div (2 \times 6) - 4$$

- A 92
- B 76
- C 11
- D 6

45 Which expression is equivalent to  $4 \div [4 \times (5 - 2)] \div 2$ ?

- A  $4 + 12 \div 2$
- B  $4 + 18 \div 2$
- C  $8 \times 3 \div 2$
- D  $8 \times 5 - 1$





Thursday, 5/6/21

Exit Ticket Lesson 13-1

Evaluate each expression.

1.  $(2 + 4) \times 3$

2.  $7 + 8 \div 2 - 1$

3.  $5 + [(3 + 4) \times 5]$



Thursday

## Add/Subtract/Multiply/Divide – 5 numbers

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### Grade 4 Order of Operations Worksheet

Find the answer to each question:

1)  $(10 \times 7 + 40) + 38 \times 10 = \underline{\hspace{2cm}}$

2)  $31 - 1 \times 5 - 8 + 33 = \underline{\hspace{2cm}}$

3)  $2 \times 2 + 36 + 15 - 17 = \underline{\hspace{2cm}}$

4)  $(4 \times 9 \div 2 \times 10) + 40 = \underline{\hspace{2cm}}$

5)  $32 + 1 + (12 \times 5 \div 3) = \underline{\hspace{2cm}}$

6)  $(3 \times 3) + 15 + 1 \times 9 = \underline{\hspace{2cm}}$

7)  $(5 - 5) \div 12 \div 63 \div 77 = \underline{\hspace{2cm}}$

8)  $2 \times 6 + 11 \times 5 + 2 = \underline{\hspace{2cm}}$

9)  $24 + 12 + (30 + 15 + 39) = \underline{\hspace{2cm}}$

10)  $(6 \times 9 + 22 \times 6) \times 4 = \underline{\hspace{2cm}}$

11)  $60 \div 12 \times (4 + 32 \times 9) = \underline{\hspace{2cm}}$

12)  $3 \times (6 + 14 + 39 \times 3) = \underline{\hspace{2cm}}$

Friday, 5/7/21

Exit Ticket, Lesson 13-1, Day 2

Evaluate each expression.

1.  $7 + (32 \div 16) \times 4 - 6$

2.  $(120 \div 60) + (72 \div 9)$

3.  $[15 \div (6 - 3) + 4] \times 4$



Friday

## Add/Subtract/Multiply/Divide – 5 numbers

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### Grade 4 Order of Operations Worksheet

Find the answer to each question:

1)  $(17 - 17) \div 18 \div 60 \div 7 =$  \_\_\_\_\_

2)  $8 + (30 \times 6 \times 2 - 25) =$  \_\_\_\_\_

3)  $2 \times 9 + 8 \times (5 + 35) =$  \_\_\_\_\_

4)  $(10 \times 5) + 2 - 5 + 2 =$  \_\_\_\_\_

5)  $1 \times 4 + (2 + 31) \div 1 =$  \_\_\_\_\_

6)  $10 \times 8 - 10 - (16 + 31) =$  \_\_\_\_\_

7)  $(2 \times 8) \times 2 \times 1 \times 1 =$  \_\_\_\_\_

8)  $4 \times 1 + (26 \times 1) \div 26 =$  \_\_\_\_\_

9)  $6 + 15 \div 1 + 37 - 27 =$  \_\_\_\_\_

10)  $33 + (7 \times 3 + 5) + 40 =$  \_\_\_\_\_

11)  $5 - 1 \times 2 + (38 \times 2) =$  \_\_\_\_\_

12)  $8 + (20 \times 10) + 31 \times 1 =$  \_\_\_\_\_





Calling all creators!

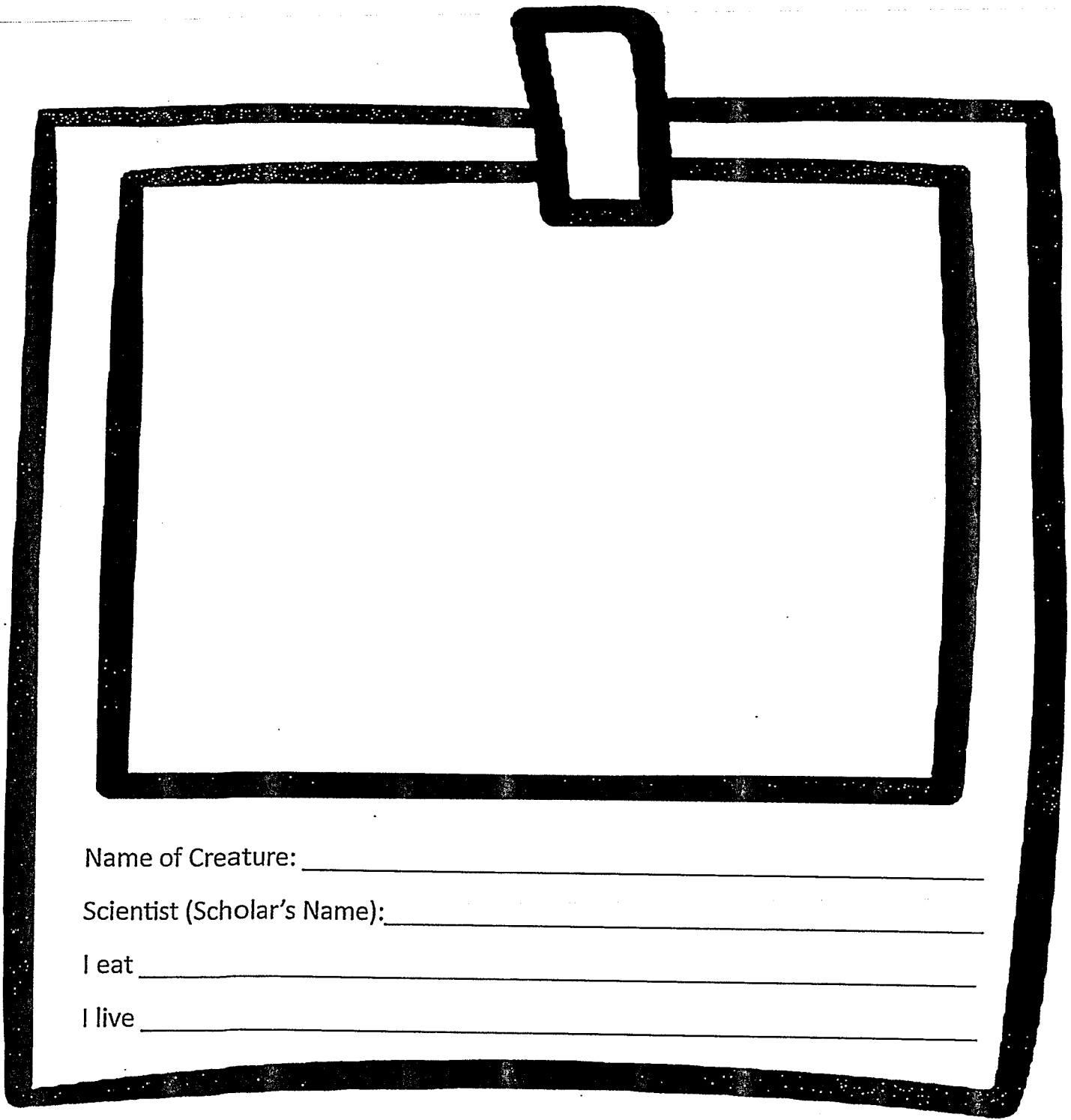


Create your own mystical creature!  
Be creative and draw your imaginary creature for  
a chance to win a prize!

Submit your paper to your teacher for entry.

All entries are due **May 7th**.

Good luck!



Name of Creature: \_\_\_\_\_

Scientist (Scholar's Name): \_\_\_\_\_

I eat \_\_\_\_\_

I live \_\_\_\_\_

Lifecycle:

