

5th Grade Math

Week of January 11 - January 15, 2021



Name _____

* Please do not complete until advised by teacher*

January 11, 2021

Sharon's Stationary Store has 1,219 boxes of cards. The store's other location has 3 times as many boxes of cards. How many boxes of cards do the two locations have in all? Think: What do you have to figure out first before finding the total?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Monday, 1/11/21

Exit Ticket

Lesson 6-1

Find each quotient.

1. $581.3 \div 10$

2. $581.3 \div 10^2$

3. $581.3 \div 10^3$



Additional Practice 6-1

Patterns for Dividing with Decimals

Another Look!

Sanjai has 275 pounds of clay. He uses the clay to make 100 identical bowls. How much clay does he use for each bowl?



To divide by 10, or 10^1 , move the decimal point 1 place to the left.

To divide by 100, or 10^2 , move the decimal point 2 places to the left.

$$275 \div 100 = \underline{2.75} = 2.75$$

Sanjai uses 2.75 pounds of clay for each bowl.

Levelled Practice In 1–18, use mental math and patterns to complete each problem.

1. $2,500 \div 10 = \underline{\quad}$

$250 \div \underline{\quad} = 25$

$\underline{\quad} \div 10 = 2.5$

$2.5 \div 10 = \underline{\quad}$

2. $20 \div \underline{\quad} = 2$

$20 \div 10^2 = \underline{\quad}$

$20 \div 10^3 = \underline{\quad}$

$20 \div 10^4 = \underline{\quad}$

3. $\underline{\quad} \div 10 = \675

$\$675 \div \underline{\quad} = \67.50

$\$6,750 \div 10^2 = \underline{\quad}$

$\$6,750 \div 10^3 = \underline{\quad}$

4. $9,600 \div 10^1 = \underline{\quad}$

$960 \div 10^1 = \underline{\quad}$

$96 \div 10^1 = \underline{\quad}$

$9.6 \div 10^1 = \underline{\quad}$

5. $\$800 \div \underline{\quad} = \80

$\underline{\quad} \div 10 = \8

$\$8 \div 10 = \underline{\quad}$

$\$0.80 \div 10 = \underline{\quad}$

6. $1,200 \div 10^3 = \underline{\quad}$

$120 \div \underline{\quad} = 12$

$\underline{\quad} \div 10^1 = 1.2$

$1.2 \div 10^2 = \underline{\quad}$

7. $4 \div 100$

8. $15 \div 10^0$

9. $450 \div 10$

10. $60 \div 100$

11. $55 \div 10$

12. $30.9 \div 100$

13. $8,020 \div 10^2$

14. $150 \div 10^3$

15. $16 \div 10^3$

16. $1.8 \div 10^1$

17. $720 \div 100$

18. $3,500 \div 10^4$

Remember that you may need to insert zeros when you move the decimal point to the left.



January 12, 2021

Mrs. Forbes has to choose a payment option to purchase her new car. One option is \$325 monthly and the other option is \$952 quarterly. Which of these options will cost less for 1 year? How much less?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Tuesday, 1/12/21

Exit Ticket

Lesson 6-2

Estimate each quotient.

1. $34.42 \div 5$

2. $804.12 \div 41.3$

3. $49.6 \div 9.85$

Name _____



Additional Practice 6-2 Estimate Decimal Quotients

Another Look!

To estimate with decimal division, you can use rounding or compatible numbers.

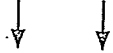


Estimate $28.4 \div 9.5$.

One Way

Use rounding. Round to the nearest whole number.

$$28.4 \div 9.5$$



$$28 \div 10 = 2.8$$

Write the original problem.

Round 28.4 to 28.
Round 9.5 to 10.

Another Way

Use compatible numbers.

$$28.4 \div 9.5$$



$$27 \div 9 = 3$$

Write the original problem.

Use compatible numbers.

Leveled Practice In 1 and 2, complete the work to estimate each quotient.

1. Estimate $52.3 \div 11.4$ using rounding.

$$52.3 \div 11.4$$



$$52 \div 10 = \underline{\hspace{2cm}}$$

2. Estimate $52.3 \div 11.4$ using compatible numbers.

$$52.3 \div 11.4$$



$$55 \div 11 = \underline{\hspace{2cm}}$$

In 3–11, estimate each quotient.

3. $25.1 \div 8$

4. $59.67 \div 11.1$

5. $82.77 \div 7.5$

6. $496.3 \div 98$

7. $1.76 \div 0.91$

8. $13.07 \div 7.41$

9. $41.3 \div 6.76$

10. $81.4 \div 10.03$

11. $384.4 \div 88.1$



January 13, 2021

A school district is replacing all of the desks in the fourth and fifth grade classrooms. There are 3 fourth grade classes that each need 26 desks. There are 2 fifth grade classes that each need 24 desks. How many desks will they need to replace in all?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Wednesday, 1/13/21

Exit Ticket

Lesson 6-3

Divide.

1. $1.35 \div 3$

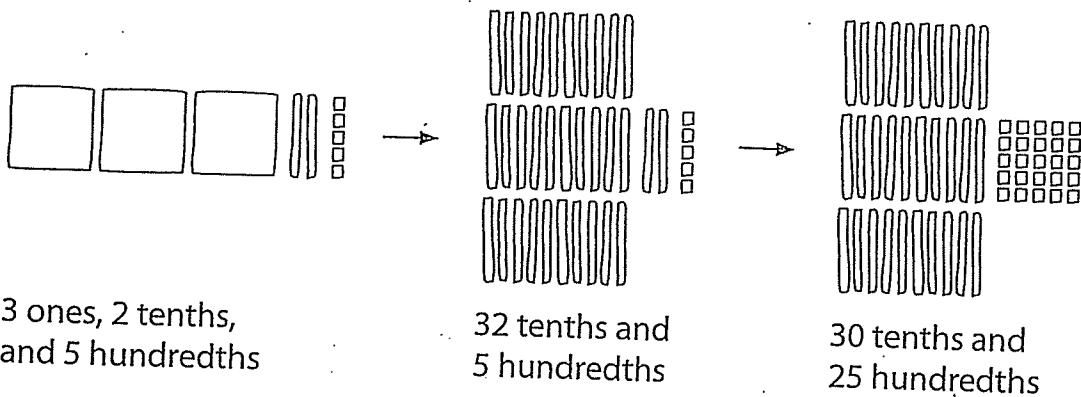
2. $5.16 \div 6$

Additional Practice 6-3
Use Models to Divide by a 1-Digit Whole Number

Another Look!

Draw a model to help you find $3.25 \div 5$.

Think about how you can exchange place-value blocks to make 5 equal shares.

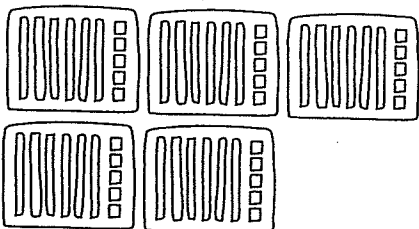


3 ones, 2 tenths, and 5 hundredths

32 tenths and 5 hundredths

30 tenths and 25 hundredths

What You Show



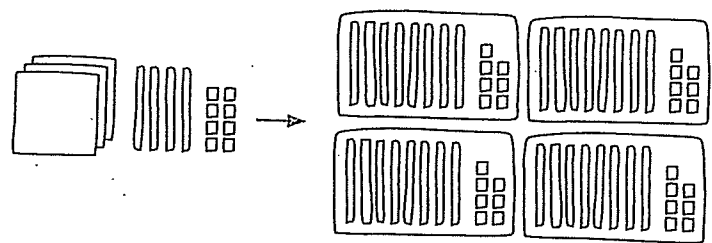
What You Write

$$\begin{array}{r} 0.65 \\ 5 \overline{)3.25} \\ \underline{-3.00} \\ .25 \\ \underline{-.25} \\ 0 \end{array}$$

Think:
 Each equal share has 6 tenths and 5 hundredths.

Leveled Practice In 1–6, divide. Use models to help.

1.
$$\begin{array}{r} 0.\square\square \\ 4 \overline{)3.48} \\ \underline{-\square.\square\square} \\ .2\square \\ \underline{-\square\square} \\ 0 \end{array}$$



2.
$$\begin{array}{r} 1.\square\square \\ 8 \overline{)9.68} \\ \underline{-\square.\square\square} \\ 1.\square\square \\ \underline{-\square.\square\square} \\ .\square\square \\ \underline{-. \square\square} \\ \square \end{array}$$

3. $3 \overline{)2.91}$

4. $4 \overline{)6.52}$

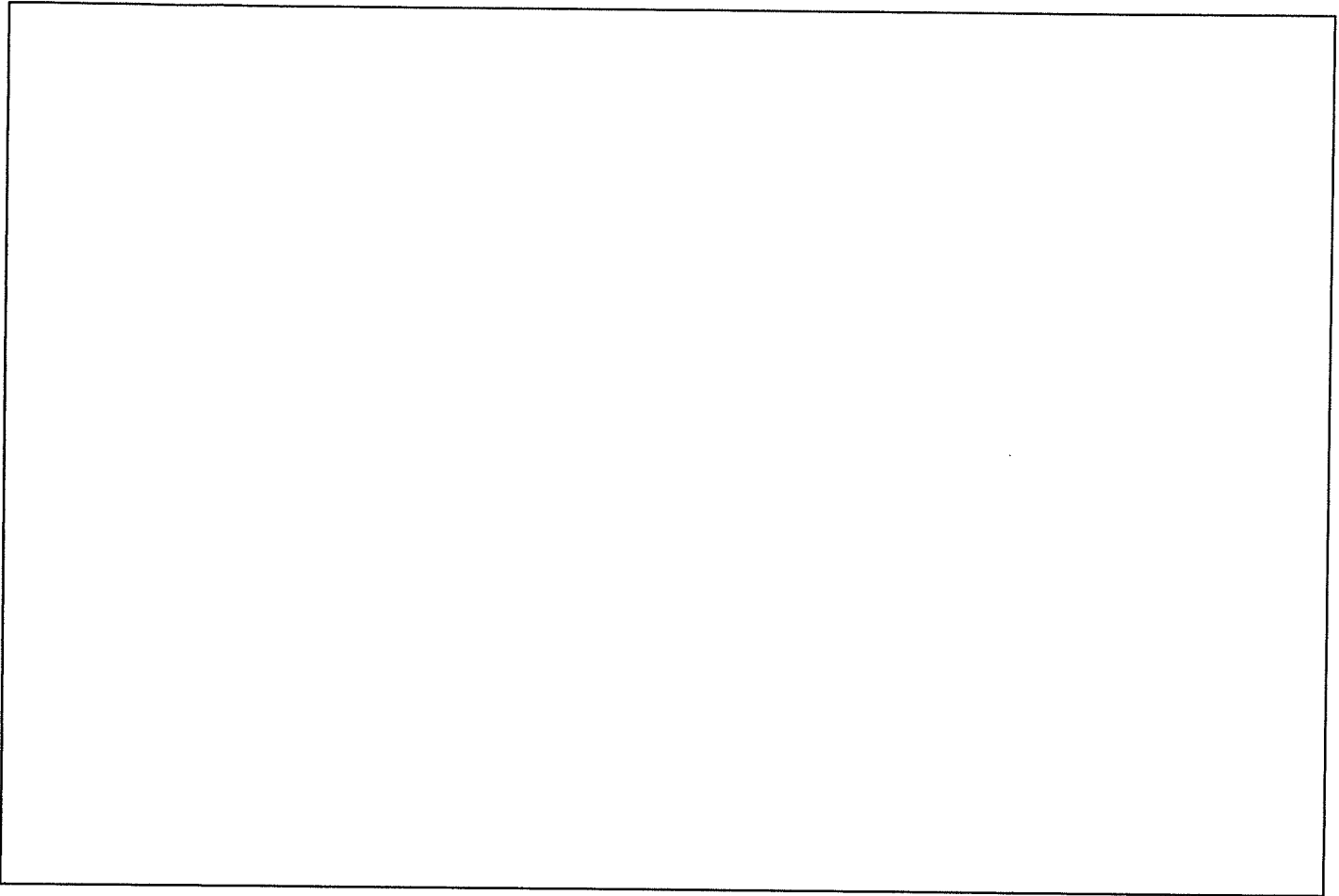
5. $7.02 \div 6$

6. $4.75 \div 5$



January 14, 2021

Martin ran 107 miles last year. Katrina ran 13 times as many miles as Martin last year. How many miles did the two friends run in all last year?

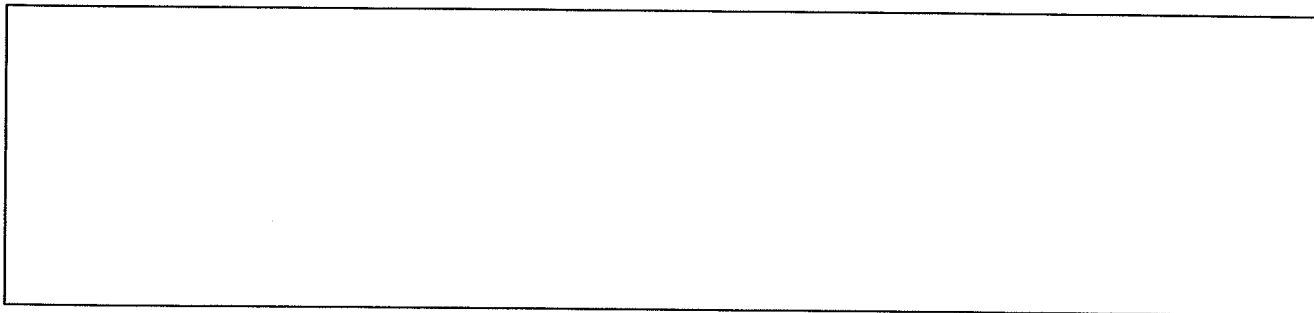


Answer (with unit): _____

Equation that matches your work:



Explain your thinking:



Thursday, 1/14/21

Exit Ticket Lesson 6-4

Divide.

1. $78.2 \div 17$

2. $12.74 \div 13$

Name _____



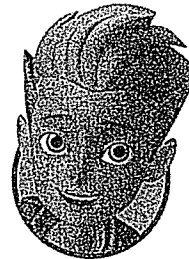
Additional Practice 6-4

Divide by a 2-Digit Whole Number

Another Look!

The area of a sketch pad is 93.5 square inches. The length of the sketch pad is 11 inches. What is the width of the sketch pad?

First, estimate the width:
 $93.5 \div 11$ is about
 $90 \div 10 = 9$.

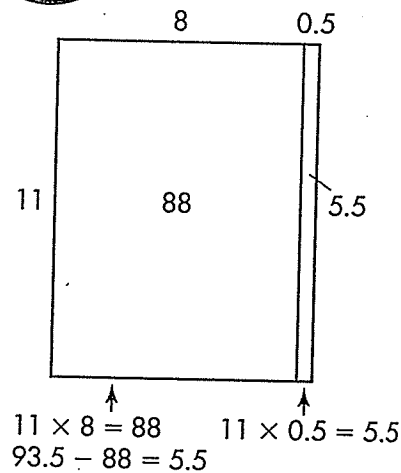


Divide 93.5 by 11.

$$\begin{array}{r} 8.5 \\ 11 \overline{)93.5} \\ \underline{-88.0} \\ 5.5 \\ \underline{-5.5} \\ 0 \end{array}$$

8.5 is close to the estimate of 9, so the answer is reasonable.

The width of the sketch pad is 8.5 inches.



Leveled Practice In 1–12, find each quotient.

1.
$$\begin{array}{r} \square \square \\ 23 \overline{)71.3} \\ \underline{-\square\square.\square} \\ \square.\square \\ \underline{-\square.\square} \\ 0 \end{array}$$

2.
$$\begin{array}{r} \square \square \\ 80 \overline{)192.0} \\ \underline{-\square\square\square.\square} \\ \square\square.\square \\ \underline{-\square\square.\square} \\ 0 \end{array}$$

3.
$$\begin{array}{r} \square \square \square \\ 42 \overline{)23.94} \\ \underline{-\square\square.\square\square} \\ \square.\square\square \\ \underline{-\square.\square\square} \\ 0 \end{array}$$

4.
$$\begin{array}{r} \square \square \square \\ 18 \overline{)40.50} \\ \underline{-\square\square.\square\square} \\ \square.\square\square \\ \underline{-\square.\square\square} \\ \square.\square \\ \underline{-\square.\square} \\ 0 \end{array}$$

5. $26 \overline{)98.8}$

6. $17 \overline{)14.62}$

7. $25 \overline{)157.5}$

8. $13 \overline{)113.1}$

9. $83.2 \div 26$

10. $25.6 \div 4$

11. $90.54 \div 18$

12. $2.25 \div 15$



Friday, 1/15/21

Exit Ticket Lesson 6-5

1. $8.8 \div 0.22$

2. $86.4 \div 0.1$

Name _____



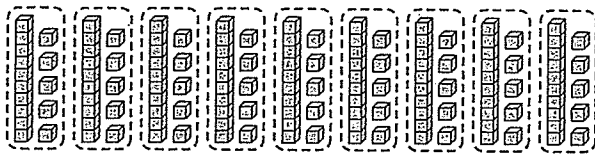
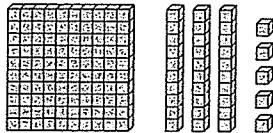
Additional Practice 6-5
Divide by a Decimal

Another Look!

Find $1.35 \div 0.15$.

One Way

$1.35 \div 0.15$



1.35 shown in place-value blocks can be divided into 9 groups of blocks each showing 0.15.

So, $1.35 \div 0.15 = 9$.

Another Way

Think multiplication:

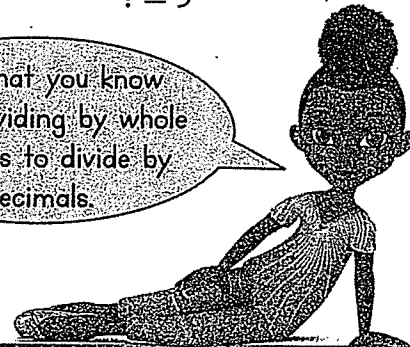
To find $1.35 \div 0.15$, use the relationship between multiplication and division.

$0.15 \times ? = 1.35$

15 hundredths $\times ? = 135$ hundredths

$? = 9$

Use what you know about dividing by whole numbers to divide by decimals.



In 1–4, use what you know about multiplication and division, place value, and partial quotients to divide.

1. $4.55 \div 0.35$

2. $45.5 \div 3.5$

3. $455 \div 35$

4. Describe the relationship among Problems 1, 2, and 3.

In 5–11, find each quotient.

5. $0.32 \overline{)1.92}$

6. $3.2 \overline{)19.2}$

7. $0.01 \overline{)8.64}$

8. $0.1 \overline{)86.4}$

9. $0.22 \overline{)8.8}$

10. $2.2 \overline{)8.8}$

11. $0.22 \overline{)88.0}$



Enrichment

More or Less?

Directions: Answer each question.

- ① What number is 10 times greater than 2?

- ② What number is 100 times greater than 2?

- ③ Describe the relationship between 2 tens and 2 hundreds. Explain your reasoning.

- ④ What number is $\frac{1}{10}$ of 3?

- ⑤ What number is $\frac{1}{10}$ of 0.3?

- ⑥ Describe the relationship between 3 tenths and 3 hundredths. Explain your reasoning.

Ten Times

Directions: Answer each question.

① What number is 10 times greater than 5?

② What number is 100 times greater than 5?

③ Describe the relationship between 5 tens and 5 hundreds. Explain your reasoning.

④ What number is $\frac{1}{10}$ of 9?

⑤ What number is $\frac{1}{10}$ of 0.9?

⑥ Describe the relationship between 9 tenths and 9 hundredths. Explain your reasoning.

Quick ✓ Check

Directions: Choose *True* or *False* for each statement.

- ① The underlined digit in $\underline{4}.44$ is 10 times more than 4 tens.

True False

- ② The underlined digit in $333.\underline{3}3$ is $\frac{1}{10}$ of 3 ones.

True False

- ③ The underlined digit in $2,222.\underline{2}2$ is $\frac{1}{10}$ of 2 tenths.

True False

- ④ The underlined digit in $5,555.\underline{5}5$ is 10 times more than 5 hundredths.

True False

Directions: Solve the problem.

- ⑤ Samira studied the mileage on the family car. The mileage was 888.8. Explain the relationship between the number of ones to the number of tenths of a mile.

Refocus

Directions: Answer the questions. Use scratch paper to help you find the answers.

① Find $\frac{1}{10}$ of 2.

Step 1: You have 2 whole pieces of paper. Divide each paper into tenths.

Step 2: Shade in $\frac{1}{10}$ of each paper.

How many parts are shaded? _____

What is $\frac{1}{10}$ of 2? _____

Complete this sentence: _____ is $\frac{1}{10}$ of 2.

② Find $\frac{1}{10}$ of 3.

Step 1: You have 3 whole pieces of paper. Divide each paper into tenths.

Step 2: Shade in $\frac{1}{10}$ of each paper.

How many parts are shaded? _____

What is $\frac{1}{10}$ of 3? _____

Complete this sentence: _____ is $\frac{1}{10}$ of 3.

🖋️ Choose Question 1 or 2. Explain your thinking.

Enrichment

Enrichment

