


Warm Up

Divide.

- $56,000 \div 8$
- $5,219 \div 17$
- $9,180 \div 12$



The sixth grade teachers decided to take their sweet, sweet students on a field trip. There were 341 sixth grade students and they were all depending on Mr. Vanderhill to order the correct number of buses to ensure that everyone would be allowed to go. If each bus could hold 47 students, how many buses should Mr. V have ordered?

New Era Baseball Cap factory made 315 caps last week. The factory operated from Monday through Friday, and they were closed for the weekend. On average, how many caps did they make per day?

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Homework Check:

Answers if Page 91 was assigned last night!
Otherwise HW was to watch a video!

- 0.3
- 0.2
- 8.2
- 1.248
- 0.3
- 21.6
- \$.23
- 2.4
- 0.35
- 2.3 in.
- 5.025
- 9.10 kg

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Quiz Grades

***Use your new quarter 3 grade sheet.**

1/23/14 Multiplying Decimals Quiz

***Make sure you are on the informal section**

***Write a strong reflection that will help guide your studies for the unit test later this month!**

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Dividing decimals by whole numbers

Long term objective - Analyze word problems with decimals, make a plan to solve, and accurately solve using the standard algorithm.

Today's objective- Accurately divide decimals by whole numbers using the standard algorithm.

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Dividing with decimals works exactly like regular 😊😊 division... with just one difference.

Let's divide **2.35** by **5**:

$$2.35 \div 5$$

Set it up the usual way...

$$5 \overline{) 2.35}$$

And put the decimal point right above the other one.

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Now, just go on as usual and work around the decimal points. Just pretend they aren't even there!

$$5 \overline{) 2.35} \rightarrow 5 \overline{) 2.35}$$

So, $2.35 \div 5 = .47$

Sometimes, you'll see this as **0.47**.

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


Steps: **D**ivide
Multiply
Subtract
Check
Bring Down

<http://www.slideshare.net/sarahclifford202/does-mcdonalds-sell-cheeseburgers-lomg-division-presentation>

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Try it!





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**A 12 pack of coke is on sale for \$2.50.
 What is the cost of each can?**

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A. In a grocery store, all of the scales measure in decimals. Explain or draw diagrams to show your reasoning for the following situations.

Ricardo buys 3.2 ounces of a sliced Italian Ham called prosciutto to make sandwiches. He makes 8 sandwiches. How many ounces of prosciutto does he use on each sandwich?

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Mr. Vanderhill buys 10.56 pounds of hamburger for a cookout. He makes 32 burgers. How many pounds of hamburger does he use for each burger?

What fraction does this decimal represent???

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What are the steps for division?

With your partner, write out the steps you would use to solve a division problem when you divide a decimal by a whole number. Include as many words as you can from the word bank.

Word Bank

- dividend
- divisor
- quotient
- multiply
- product
- difference
- check

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Is this possible?

$$8 \overline{)5}$$

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Find each quotient.

| | | |
|---------------------|--------------------|-------------------|
| 1. $0.81 \div 9$ | 2. $1.84 \div 4$ | 3. $7.2 \div 6$ |
| _____ | _____ | _____ |
| 4. $13.6 \div 8$ | 5. $4.55 \div 5$ | 6. $29.6 \div 8$ |
| _____ | _____ | _____ |
| 7. $15.57 \div 9$ | 8. $0.144 \div 12$ | 9. $97.5 \div 3$ |
| _____ | _____ | _____ |
| 10. $0.0025 \div 5$ | 11. $2.84 \div 8$ | 12. $18.9 \div 3$ |
| _____ | _____ | _____ |

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Find each quotient.

| | | |
|---------------------|--------------------|-------------------|
| 1. $0.81 \div 9$ | 2. $1.84 \div 4$ | 3. $7.2 \div 6$ |
| <u>0.09</u> | <u>0.46</u> | <u>1.2</u> |
| 4. $13.6 \div 8$ | 5. $4.55 \div 5$ | 6. $29.6 \div 8$ |
| <u>1.7</u> | <u>0.91</u> | <u>3.7</u> |
| 7. $15.57 \div 9$ | 8. $0.144 \div 12$ | 9. $97.5 \div 3$ |
| <u>1.73</u> | <u>0.012</u> | <u>32.5</u> |
| 10. $0.0025 \div 5$ | 11. $2.84 \div 8$ | 12. $18.9 \div 3$ |
| <u>0.0005</u> | <u>0.355</u> | <u>6.3</u> |

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(EXIT Ticket)

Lesson Quiz

Find each quotient.

- $3.12 \div 8$
- $5.68 \div 8$

Evaluate the expression $1.25 \div x$ for the given value of x .

- $x = 5$
- $x = 25$
- The tennis team is having 3 of their tennis rackets restrung. The total cost is \$54.75. What is the average cost per racket?

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Tonight's Homework:

Page 91, Questions 18-29

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