

# 5-8 Homework

Name \_\_\_\_\_

Date \_\_\_\_\_

Divide.

1  $0.07 \overline{)4.2}$

2  $0.8 \overline{)2.4}$

3  $0.05 \overline{)4.8}$

4  $0.24 \overline{)2.064}$

- 5 Circle the division that does *not* have the same answer as the others.

$54 \div 6$     $5.4 \div 0.6$     $0.54 \div 0.6$     $0.54 \div 0.06$     $0.054 \div 0.006$

Solve.

*Show your work.*

- 6 A beekeeper collected 7.6 liters of honey. She will pour it into bottles that each hold 0.95 liter. How many bottles will she fill?

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- 7 A very small dinosaur, the microraptor, was only 1.3 feet long. One of the largest dinosaurs, the diplodocus, was about 91 feet long. How many times as long as the microraptor was the diplodocus?

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- 8 Tomorrow, in the town of Eastwood, there will be a big race. The course is 5.25 kilometers long. A water station will be set up every 0.75 kilometer, including at the finish line. How many water stations will there be?

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- 9 Marisol's bedroom has an area of 29.76 square meters. The length of the room is 6.2 meters. What is its width?

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Round to the nearest tenth.

1 1.28 \_\_\_\_\_

2 14.21 \_\_\_\_\_

3 8.148 \_\_\_\_\_

Round to the nearest hundredth.

4 4.769 \_\_\_\_\_

5 45.124 \_\_\_\_\_

6 16.107 \_\_\_\_\_

Solve.

7 
$$\begin{array}{r} 7.7 \\ \times 1.4 \\ \hline \end{array}$$

8 
$$\begin{array}{r} 3.1 \\ \times 0.05 \\ \hline \end{array}$$

9 
$$\begin{array}{r} 5.79 \\ \times 0.9 \\ \hline \end{array}$$

10 
$$\begin{array}{r} 3.4 \\ \times 8.8 \\ \hline \end{array}$$

11 
$$\begin{array}{r} 3.5 \\ \times 0.46 \\ \hline \end{array}$$

12 
$$\begin{array}{r} 8.6 \\ \times 0.90 \\ \hline \end{array}$$

Solve.

13  $0.9 \overline{)36}$

14  $0.006 \overline{)48}$

15  $0.04 \overline{)32}$

16  $0.7 \overline{)364}$

17  $0.34 \overline{)2,210}$

18  $0.83 \overline{)1,494}$

- 19 **Stretch Your Thinking** Must a decimal divisor and a decimal dividend have the same number of decimal places in order to have a whole-number quotient? Write a division equation using two decimal numbers to support your answer.

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