

# Divide Decimals by Decimals

## Guided Practice

Divide. (Examples 1–5)

1.  $3.69 \div 0.3 =$  \_\_\_\_\_

2.  $0.0338 \div 1.3 =$  \_\_\_\_\_

3.  $2.943 \div 2.7 =$  \_\_\_\_\_

Show your work.

4. Alicia bought 5.75 yards of fleece fabric to make blankets for a charity. She needs 1.85 yards of fabric for each blanket. How many blankets can Alicia make with the fabric she bought? (Example 6)
- \_\_\_\_\_

## Independent Practice

Divide. (Examples 1–5)

1.  $1.44 \div 0.4 =$  \_\_\_\_\_

2.  $16.24 \div 0.14 =$  \_\_\_\_\_

3.  $0.6 \div 0.0024 =$  \_\_\_\_\_

Show your work.

4.  $96.6 \div 0.42 =$  \_\_\_\_\_

5.  $13.5 \div 0.03 =$  \_\_\_\_\_

6.  $0.12 \div 0.15 =$  \_\_\_\_\_

7. **Use Math Tools** The average person's *stride length*, the distance covered by one step, is approximately 2.5 feet long. How many steps would the average person take to travel 50 feet? (Example 6)
- \_\_\_\_\_

8. **STEM** Alaska has a coastline of about 6.64 thousand miles. Florida has about 1.35 thousand miles of coastline. How many times more coastline does Alaska have than Florida? Round to the nearest tenth if necessary. Justify your procedure.
- \_\_\_\_\_

9. **CCSS Model with Mathematics** Refer to the graphic novel frame below for Exercises a–b.

Watch **Replay it online!**

CAR WASH Paycheck	
Hourly wage	Hours worked
\$5.50	
Weekly pay	\$

I've already saved \$68 for the \$200 video game system

- a. How many hours does Raj need to work to earn the remainder of the money he needs to buy the video game system? \_\_\_\_\_
- b. Suppose Raj receives a raise for his hard work and now earns \$6.25 per hour. How many hours would he need to work to earn \$132? \_\_\_\_\_

21. A submarine sandwich 1.5 feet long is cut into 0.25-foot pieces. How many pieces will there be?

show  
out  
work.

22. **CCSS Use Math Tools** Find examples of decimals in a newspaper or magazine. Write a real-world problem in which you would divide decimals.

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