

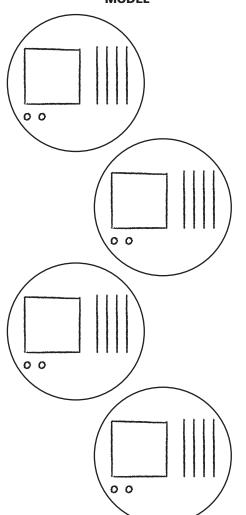
# **UNLOCK the Problem** Real World

In a swimming relay, each swimmer swims an equal part of the total distance. Brianna and 3 other swimmers won a relay in 5.68 minutes. What is the average time each relay team member swam?

• How many swimmers are part of the relay team?

## One Way Use place value.

#### MODEL



#### THINK AND RECORD

STEP 1 Divide the ones.

Divide. 5 ones 
$$\div$$
 4

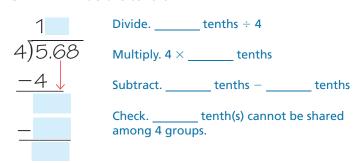
4)5.68

Multiply.  $4 \times 1$  one

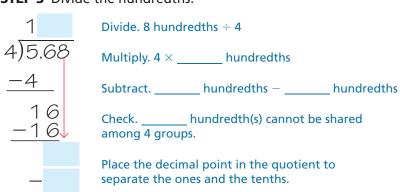
Subtract. 5 ones  $-4$  ones

Check. \_\_\_\_\_ one(s) cannot be shared among 4 groups without regrouping.

**STEP 2** Divide the tenths.



**STEP 3** Divide the hundredths.



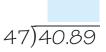
So, each girl swam an average of \_\_\_\_\_ minutes

### **Another Way** Use an estimate.

Divide as you would with whole numbers.

**Divide.** \$40.89 ÷ 47

• Estimate the quotient. 4,000 hundredths  $\div$  50 = 80 hundredths, or \$0.80



- Divide the tenths.
- Divide the hundredths. When the remainder is zero and there are no more digits in the dividend, the division is complete.
- Use your estimate to place the decimal point. Place a zero to show there are no ones.

So,  $$40.89 \div 47 \text{ is}$ \_\_\_\_\_.

• **MTR** Explain how you used the estimate to place the decimal point in the quotient.

### Try This! Divide. Use multiplication to check your work.

Check.

× 23 +

## **Share and Show**



Write the quotient with the decimal point placed correctly.

**1.** 
$$4.92 \div 2 = 246$$

**2.** 
$$50.16 \div 38 = 132$$