Name \_

# **Interpret the Remainder**

(I Can) interpret remainders when solving a division problem.

# 🗄 UNLOCK the Problem 🥵

Hiro and his family want to hike a trail that is 1,365 miles long. They will hike equal parts of the trail on 12 different hiking trips. How many miles will Hiro's family hike on each trip?

When you solve a division problem with a remainder, the way you interpret the remainder depends on the situation and the question. Sometimes you need to use both the quotient and the remainder. You can do that by writing the remainder as a fraction.

### **One Way** Write the remainder as a fraction.

First, divide to find the guotient and remainder.

Then, decide how to use the quotient and remainder to answer the question.

- The \_\_\_\_\_ represents the number of trips Hiro and his family plan to take.
- The \_\_\_\_\_ represents the whole-number part of the number of miles Hiro and his family will hike on each trip.
- represents the number of miles The left over.
- The remainder represents 9 miles, which can also be divided into 12 parts and written as a fraction.

remainder \_ divisor

• Write the quotient with the remainder written as a fraction.

**Go Online** For more help

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# Another Way Use only the quotient.

The segment of the Appalachian Trail that runs through Pennsylvania is 232 miles long. Selena and her family want to hike 9 miles each day on the trail. How many days will they hike exactly 9 miles?

- Divide to find the guotient and the remainder.
- Since the remainder shows that there are not enough miles left for another 9-mile day, it is not used in the answer.

So, they will hike exactly 9 miles on each of days.

# **Other Wav**

### Add 1 to the quotient.

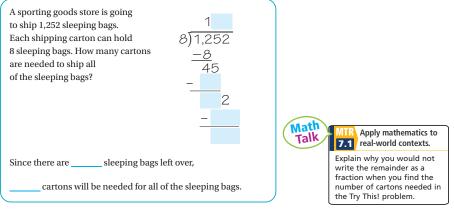
What is the total number of days that Selena will need to hike 232 miles?

• To hike the 7 remaining miles, she will need 1 more day.

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So. Selena will need davs to hike 232 miles.

### **Try This!**



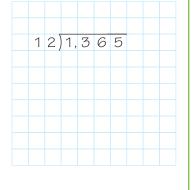
# 9232

## B Use the remainder as the answer.

If Selena hikes 9 miles each day except the last day, how many miles will she hike on the last day?

- The remainder is 7.
- So. Selena will hike miles on the last day.

Mifflin 0 Hot



CHAPTER 2

Florida's B.E.S.T.

Circle the dividend you will use to solve the

• Underline the divisor you will use to solve the

division problem.

division problem.

• Number Sense & Operations 5.NSO.2.2

Mathematical Thinking & Reasoning

MTR.4.1, MTR.5.1, MTR.6.1, MTR.7.1

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