

Name _____

Share and Show



Interpret the remainder to solve.

1. Chione and Park want to hike the Big Cypress Trail. They will hike a total of 75 miles. If Chione and Park plan to hike for 12 days, how many miles will they hike each day?

a. Divide to find the quotient and remainder.

b. Decide how to use the quotient and remainder to answer the question.

$$\begin{array}{r} 12 \overline{)75} \text{ r} \\ \underline{0} \\ 75 \end{array}$$

2. What if Chione and Park want to hike 14 miles each day? How many days will they hike exactly 14 miles?

3. Ahmed's hiking club is planning to stay overnight at a camping lodge. Each large room can hold 15 hikers. There are 154 hikers. How many rooms will they need?

On Your Own

Interpret the remainder to solve.

4. The students in a class of 24 share 48 apple slices and 36 orange slices equally among them. How many pieces of fruit did each student get?
5. Coco has 212 stickers to put in her sticker book. Each page holds 18 stickers. How many pages does Coco need for all of her stickers?
6. A total of 123 fifth-grade students are going to Fort Verde State Historic Park. Each bus holds 38 students. All of the buses are full except one. How many students will be in the bus that is not full?
7. **MTR** Sheila is going to divide a 36-inch piece of ribbon into 5 equal pieces. She says each piece will be 7 inches long. What is Sheila's error?

Problem Solving · Applications



8. Mihyun has 243 ounces of trail mix. She puts an equal number of ounces in each of 15 bags. How many ounces of trail mix does Mihyun have left over?

a. What do you need to find? _____

b. How will you use division to find how many ounces of trail mix are left over?

c. Show the steps you use to solve the problem.

d. Complete the sentences.

Mihyun has _____ ounces of trail mix.

She puts an equal number of ounces in each of _____ bags.

Each bag has _____ ounces.

Mihyun has _____ ounces of trail mix left over.

9. James has 884 feet of rope. There are 12 teams of hikers. If James gives an equal amount of rope to each team, how much rope will each team receive?



10. Rory works at a produce packing plant. She and her team packed 21,724 cans of peas last week and put them in boxes with 8 cans in each box. How many boxes did they fill with 8 cans? Explain how you used the quotient and the remainder to answer the question.