LESSON MAKER PRO

Remainder Rescue

Use the quotient and remainder to answer the real question.

GRADE 5 · 5.CE.1.c

5.CE.1.c "Interpret the quotient and remainder when solving a contextual problem."

NAME _____ DATE _____

READ THE REMAINDER

The quotient tells how many equal groups you can make. The remainder tells what is left over. If every person or item must be included, a remainder may mean you need one more group.

WORKED EXAMPLE

A supply closet has 95 pencils. Each box holds 8 pencils. How many full boxes can be packed, and how many pencils will be left?

1. Divide: 95 / 8 = 11 R7.
2. The quotient, 11, tells the number of full boxes.
3. The remainder, 7, tells the number of pencils left.

Answer: 11 full boxes, 7 pencils left

PRACTICE 6 problems

1 A collector puts 58 trading cards into pages that hold 9 cards each. How many full pages can the collector fill, and how many cards are left?

ANSWER _____

2 Seventy-four players form teams of 12 for a game. How many complete teams can they make, and how many players are left?

ANSWER _____

3 A student puts 47 photos on album pages that hold 14 photos each. How many full pages can the student make, and how many photos are left?

ANSWER _____

4 A market puts 69 apples into baskets with 10 apples in each basket. How many full baskets can be made, and how many apples are left?

ANSWER _____

5 A jewelry maker uses 16 beads for each bracelet. With 83 beads, how many bracelets can be made, and how many beads are left?

ANSWER _____

6 A 56-minute video is watched in 17-minute chunks. How many full chunks can be watched, and how many minutes are left?

ANSWER _____

APPLY IT Show your work

1 A skate park trip has 164 riders. Each van can carry 18 riders. How many vans are needed so every rider has a seat?

WORK SPACE

ANSWER _____

2 At a gaming club, 145 tokens are shared equally among 12 players. How many tokens does each player get, and how many tokens are left over?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A scrapbook has 13 pages, and each page holds 12 photos. A student has 157 photos. Will one scrapbook hold all the photos? Explain using the quotient and remainder.

WORK SPACE AND ANSWER

ANSWER KEY

Remainder Rescue

GRADE 5 · 5.CE.1.c

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A collector puts 58 trading cards into pages that hold 9 cards each. How many full pages can the collector fill, and how many cards are left?	**6 full pages, 4 cards left**
2	Seventy-four players form teams of 12 for a game. How many complete teams can they make, and how many players are left?	**6 complete teams, 2 players left**
3	A student puts 47 photos on album pages that hold 14 photos each. How many full pages can the student make, and how many photos are left?	**3 full pages, 5 photos left**
4	A market puts 69 apples into baskets with 10 apples in each basket. How many full baskets can be made, and how many apples are left?	**6 full baskets, 9 apples left**
5	A jewelry maker uses 16 beads for each bracelet. With 83 beads, how many bracelets can be made, and how many beads are left?	**5 bracelets, 3 beads left**
6	A 56-minute video is watched in 17-minute chunks. How many full chunks can be watched, and how many minutes are left?	**3 full chunks, 5 minutes left**

PART 2 · APPLY IT

1. **10 vans** 164 / 18 = 9 R2. Nine vans are full, but 2 riders still need seats, so a tenth van is needed.
2. **12 tokens each, 1 token left over** 145 / 12 = 12 R1. Each player gets 12 tokens, and 1 token cannot be shared equally.

CHALLENGE

No. 157 / 12 = 13 R1. Thirteen pages hold 156 photos, so 1 photo will not fit and the student needs 14 pages.

Accept equivalent wording such as "6 groups with 4 left." For problems asking how many vehicles or pages are needed, accept only the rounded-up total because every person or item must be included.