LESSON MAKER PRO

Remainder Missions

Divide, then decide what the remainder means.

GRADE 4 · MA.4.AR.1.1

MA.4.AR.1.1 "Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context."

NAME _____ DATE _____

CHOOSE THE REMAINDER

Divide to find the number of equal groups or the number in each group. Look at the situation to decide what the remainder means. If every item or person must fit, use one more group. If you count only full groups, leave the remainder out.

WORKED EXAMPLE

A club has 73 stickers. Each prize pack holds 8 stickers. How many prize packs are needed?

1. 73 / 8 = 9 R 1.
2. 9 packs hold 72 stickers.
3. The 1 extra sticker needs another pack.

Answer: 10 prize packs

PRACTICE 6 problems

1 63 trading cards are shared equally among 9 friends. How many cards does each friend get?

ANSWER _____

2 91 beads are used to make bracelets with 7 beads each. How many complete bracelets can be made?

ANSWER _____

3 58 students need rides in cars that seat 5 students each. How many cars are needed?

ANSWER _____

4 82 comic books are placed in stacks of 11. How many full stacks can be made, and how many books are left?

ANSWER _____

5 96 cupcakes are placed on trays with 12 cupcakes on each tray. How many trays are filled?

ANSWER _____

6 47 glow sticks are shared equally among 6 campers. How many glow sticks does each camper get, and how many are left?

ANSWER _____

APPLY IT Show your work

1 At a game design club, 7 teams make 24 button pins each. Display boxes hold 10 pins each. How many display boxes are needed for all the pins?

WORK SPACE

ANSWER _____

2 At basketball camp, 13 teams have 9 players each. Jerseys are packed in bags that hold 6 jerseys. How many bags of jerseys are needed?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Five classrooms are going on a field trip. Each classroom has 29 students. Buses hold 12 students each. How many buses are needed for all the students?

WORK SPACE AND ANSWER

ANSWER KEY

Remainder Missions

GRADE 4 · MA.4.AR.1.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	63 trading cards are shared equally among 9 friends. How many cards does each friend get?	**7 cards each**
2	91 beads are used to make bracelets with 7 beads each. How many complete bracelets can be made?	**13 complete bracelets**
3	58 students need rides in cars that seat 5 students each. How many cars are needed?	**12 cars**
4	82 comic books are placed in stacks of 11. How many full stacks can be made, and how many books are left?	**7 full stacks, 5 books left**
5	96 cupcakes are placed on trays with 12 cupcakes on each tray. How many trays are filled?	**8 trays**
6	47 glow sticks are shared equally among 6 campers. How many glow sticks does each camper get, and how many are left?	**7 glow sticks each, 5 left**

PART 2 · APPLY IT

1. **17 display boxes** Multiply 7 by 24 to find 168 pins. Since 168 / 10 = 16 R 8, one more box is needed.
2. **20 bags** Multiply 13 by 9 to find 117 jerseys. Since 117 / 6 = 19 R 3, 20 bags are needed.

CHALLENGE

13 buses

Accept equivalent remainder notation, such as 7 R 5, when the problem asks for full groups and leftovers. For situations where every person or item must fit, accept only the rounded-up number of groups.