LESSON MAKER PRO

Divide the Loot

Find the size of a group or the number of groups.

GRADE 3 · 3.OA.A.2

3.OA.A.2 "Illustrate and interpret the quotient of two whole numbers as the number of objects in each group or the number of groups when the whole is partitioned into equal shares."

NAME _____ DATE _____

TWO WAYS TO DIVIDE

Division can tell you how many objects are in each equal group. It can also tell you how many equal groups you can make. Divide the total by the number of groups or by the number in each group.

WORKED EXAMPLE

Share 14 buttons equally between 2 jars. How many buttons go in each jar?



1. Each row shows one jar.
2. Count 7 buttons in one row.
3. 14 / 2 = 7

Answer: 7 buttons per jar

PRACTICE 4 problems

1 Share 16 marbles equally among 4 cups. How many marbles go in each cup?

ANSWER _____

2 Put 20 stickers into packs of 5. How many packs can you make?

ANSWER _____

3 Put 18 crayons into boxes of 3. How many boxes can you fill?

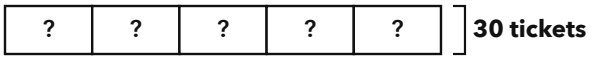
ANSWER _____

4 Share 24 cookies equally among 8 plates. How many cookies go on each plate?

ANSWER _____

APPLY IT Show your work

1 A game shop shares prize tickets equally among the boxes shown. How many tickets go in each box?



ANSWER _____

2 You have 27 trading cards. Put 9 cards in each pack. How many packs can you make?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Two students each have 36 cards. One shares the cards among 4 equal piles. The other puts 4 cards in each pile. What does 36 / 4 tell each student? Explain.

WORK SPACE AND ANSWER

ANSWER KEY

Divide the Loot

GRADE 3 · 3.OA.A.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Share 16 marbles equally among 4 cups. How many marbles go in each cup?	**4 marbles**
2	Put 20 stickers into packs of 5. How many packs can you make?	**4 packs**
3	Put 18 crayons into boxes of 3. How many boxes can you fill?	**6 boxes**
4	Share 24 cookies equally among 8 plates. How many cookies go on each plate?	**3 cookies**

PART 2 · APPLY IT

1. **6 tickets per box** The tape shows 5 equal boxes. Divide 30 / 5 = 6.
2. **3 packs** Divide 27 / 9 = 3 to find the number of packs.

CHALLENGE

The first student makes 4 piles, so 36 / 4 = 9 cards per pile. The second puts 4 cards in each pile, so 36 / 4 = 9 piles.

For the challenge, accept any explanation that identifies both results as 9 and gives the correct unit for each.