LESSON MAKER PRO

Groups in Action

Use equal groups to solve everyday problems.

GRADE 3 · 3.AT.A.1

3.AT.A.1 "Use multiplication and division within 100 to solve one-step problems in context involving equal groups, arrays, and area by using concrete materials, drawings, and/or equations."

NAME _____ DATE _____

THE BIG IDEA

In an array, each row has the same number of objects. Multiply the number of rows by the number in each row to find the total. Divide when you know the total and need to find how many are in each group.

WORKED EXAMPLE

How many dots are in the array?



1. There are 2 rows of 5 dots.
2. Multiply: 2 x 5 = 10.

Answer: 10 dots

PRACTICE 4 problems

1 Three bags hold 7 marbles each. How many marbles are there?

ANSWER _____

2 Share 32 crayons equally among 4 boxes. How many go in each box?

ANSWER _____

3 Six teams have 9 players each. How many players are there?

ANSWER _____

4 Put 48 game pieces into 8 equal piles. How many are in each pile?

ANSWER _____

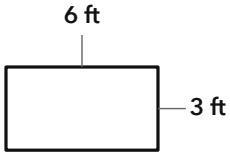
APPLY IT Show your work

1 Jo fills a sticker page as shown. How many stickers are on it?



ANSWER _____

2 A play mat is shaped like the rectangle shown. How many square feet does it cover?



ANSWER _____

CHALLENGE One step up

A game has 63 cards. Each player gets 7 cards. How many players get cards? Write an equation to show how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Groups in Action

GRADE 3 · 3.AT.A.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Three bags hold 7 marbles each. How many marbles are there?	**21 marbles**
2	Share 32 crayons equally among 4 boxes. How many go in each box?	**8 crayons**
3	Six teams have 9 players each. How many players are there?	**54 players**
4	Put 48 game pieces into 8 equal piles. How many are in each pile?	**6 game pieces**

PART 2 · APPLY IT

1. **28 stickers** The array has 4 rows of 7 stickers. Multiply 4 x 7 = 28.
2. **18 square feet** Multiply the side lengths to find the area: 6 x 3 = 18 square feet.

CHALLENGE

9 players; 63 / 7 = 9.

Accept a matching multiplication or division equation for the challenge. For the play mat, accept 18 sq ft as the area unit.