LESSON MAKER PRO

Groups, Rows, and Jumps

Show multiplication and division in more than one way.

GRADE 3 · 3.CE.2.a

3.CE.2.a "Represent multiplication and division of whole numbers through 10 × 10, including in a contextual situation, using a variety of approaches and models (e.g., repeated addition/subtraction, equal-sized groups/sharing, arrays..."

NAME _____ DATE _____

EQUAL GROUPS HELP

Multiplication shows equal groups or equal rows in an array. Division splits a total into equal groups. You can use repeated addition or skip counting to check your thinking.

WORKED EXAMPLE

Look at the array. Write a multiplication equation and find the total number of dots.



1. Count 2 rows.
2. Count 7 dots in each row.
3. Multiply 2 x 7 = 14.

Answer: 2 x 7 = 14

PRACTICE 6 problems

1 Look at the array. Write a multiplication equation, then find how many dots are shown.



ANSWER _____

2 24 stickers are shared equally among 6 students. How many stickers does each student get?

ANSWER _____

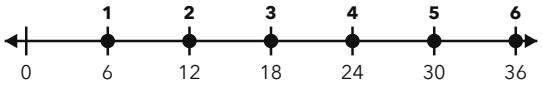
3 Use repeated addition. Write a multiplication equation for 8 + 8 + 8 + 8, then find the total.

ANSWER _____

4 Find 45 / 5. Think: 5 x ___ = 45.

ANSWER _____

5 Look at the marked points on the number line. Write a multiplication equation that matches the equal jumps.



ANSWER _____

6 A jewelry club has 27 beads. They put 9 beads on each bracelet. How many bracelets can they make?

ANSWER _____

APPLY IT Show your work

1 A game designer makes the starter packs shown in the tape diagram. How many character cards are in all?

Starter packs	8 cards	8 cards	8 cards	8 cards

ANSWER _____

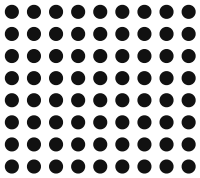
2 A photographer prints 54 photos and puts the same number of photos on 6 scrapbook pages. How many photos go on each page?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Look at the array. Imagine turning it one quarter turn. Write both multiplication facts and explain why the total stays the same.



WORK SPACE AND ANSWER

ANSWER KEY

Groups, Rows, and Jumps

GRADE 3 · 3.CE.2.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Look at the array. Write a multiplication equation, then find how many dots are shown.	**3 x 5 = 15**
2	24 stickers are shared equally among 6 students. How many stickers does each student get?	**4**
3	Use repeated addition. Write a multiplication equation for 8 + 8 + 8 + 8, then find the total.	**4 x 8 = 32**
4	Find 45 / 5. Think: 5 x ___ = 45.	**9**
5	Look at the marked points on the number line. Write a multiplication equation that matches the equal jumps.	**6 x 6 = 36**
6	A jewelry club has 27 beads. They put 9 beads on each bracelet. How many bracelets can they make?	**3**

PART 2 · APPLY IT

1. **32 character cards** There are 4 equal packs with 8 cards in each pack. Multiply 4 x 8 to get 32.
2. **9 photos** Split 54 photos into 6 equal groups. Since 6 x 9 = 54, each page gets 9 photos.

CHALLENGE

8 x 9 = 72 and 9 x 8 = 72. Turning the array swaps rows and columns, but it does not change the number of dots.

Accept equations with factors in either order when they match the model or situation. Accept a correct repeated-addition or equal-groups explanation for the challenge.