LESSON MAKER PRO

Equal Group Totals

Add equal groups with arrays.

GRADE 2 · MA.2.AR.3.2

MA.2.AR.3.2 "Use repeated addition to find the total number of objects in a collection of equal groups. Represent the total number of objects using rectangular arrays and equations."

NAME _____ DATE _____

ADD EQUAL GROUPS

Equal groups have the same number in each group. Add the number in each group again and again to find the total. An array shows equal rows and columns.

WORKED EXAMPLE

Look at the array of toy blocks. How many blocks are there?



1. There are 3 rows.
2. Each row has 4 blocks.
3. Add: 4 + 4 + 4 = 12.

Answer: 12 blocks

PRACTICE 4 problems

1 2 bags have 5 marbles each. Write an addition equation and the total.

ANSWER _____

2 6 cages have 2 toy mice each. Write an addition equation and the total.

ANSWER _____

3 5 plates hold 2 cookies each. Complete: 2 + 2 + 2 + 2 + 2 = ___.

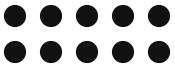
ANSWER _____

4 There are 2 equal rows of 5 stickers. Write an addition equation and the total.

ANSWER _____

APPLY IT Show your work

1 Look at the prize-star array. Write an addition equation. How many prize stars are there?



ANSWER _____

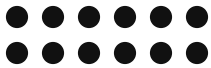
2 Mia puts 6 beads on each of 2 bracelets. How many beads does she use?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Look at the tile array. Write two different repeated-addition equations. Find the total.



WORK SPACE AND ANSWER

ANSWER KEY

Equal Group Totals

GRADE 2 · MA.2.AR.3.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	2 bags have 5 marbles each. Write an addition equation and the total.	**5 + 5 = 10**
2	6 cages have 2 toy mice each. Write an addition equation and the total.	**2 + 2 + 2 + 2 + 2 + 2 = 12**
3	5 plates hold 2 cookies each. Complete: 2 + 2 + 2 + 2 + 2 = ___.	**10**
4	There are 2 equal rows of 5 stickers. Write an addition equation and the total.	**5 + 5 = 10**

PART 2 · APPLY IT

1. **5 + 5 = 10 prize stars** There are 2 rows with 5 stars in each row. Add 5 + 5.
2. **12 beads** There are 2 groups of 6 beads. Add 6 + 6 = 12.

CHALLENGE

6 + 6 = 12; 2 + 2 + 2 + 2 + 2 + 2 = 12

Accept either row addition or column addition when it matches the array. Accept totals with or without the object name.