

Square Grid Counts

Count rows and columns to find all the squares.

GRADE 2 • 2.G.A.2

CCSS.Math.Content.2.G.A.2 "Partition a rectangle into rows and columns of same-size squares and count to find the total number of them."

NAME _____

DATE _____

COUNT THE SQUARES

A row goes across. A column goes up and down. When all squares are the same size, count the squares in each row again and again to find the total.

WORKED EXAMPLE

A rectangle has 3 rows of 4 same-size squares. How many squares are there?

1. There are 3 rows.
2. Each row has 4 squares.
3. Count: $4 + 4 + 4 = 12$.

Answer: 12 squares

PRACTICE 5 problems

- 1** A toy label has 2 rows of 5 same-size squares. How many squares are on the label?

ANSWER _____

- 2** A snack tray has 5 rows of 5 same-size squares. How many squares are in the tray?

ANSWER _____

- 3** A pet photo page has 2 rows of 7 same-size squares. How many squares are on the page?

ANSWER _____

- 4** A puzzle board has 6 rows of 6 same-size squares. How many squares are on the board?

ANSWER _____

- 5** A robot game card has 5 rows of 6 same-size squares. How many squares are on the card?

ANSWER _____

APPLY IT Show your work

- 1** Mia has a sticker sheet with 7 rows of 7 same-size sticker squares. How many sticker squares are on the sheet?

WORK SPACE

ANSWER _____

- 2** A video game map has 8 rows of 5 same-size treasure squares. How many treasure squares are on the map?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A checkerboard has 8 rows of 8 same-size squares. How many squares are on the checkerboard? Explain how you counted.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A toy label has 2 rows of 5 same-size squares. How many squares are on the label?	10 squares
2	A snack tray has 5 rows of 5 same-size squares. How many squares are in the tray?	25 squares
3	A pet photo page has 2 rows of 7 same-size squares. How many squares are on the page?	14 squares
4	A puzzle board has 6 rows of 6 same-size squares. How many squares are on the board?	36 squares
5	A robot game card has 5 rows of 6 same-size squares. How many squares are on the card?	30 squares

PART 2 • APPLY IT

1. **49 sticker squares** Count 7 squares in each of 7 rows. $7 + 7 + 7 + 7 + 7 + 7 + 7 = 49$.
2. **40 treasure squares** Count 5 squares in each of 8 rows. $5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 40$.

CHALLENGE

64 squares. I counted 8 squares in each of 8 rows: $8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 = 64$.

Accept repeated addition, skip-counting, or multiplication thinking that gives the stated total. Students may include the word "squares" in each answer.