Grade 2 Unit 9 worksheet: Arrays: rows and columns of objects (answer key)

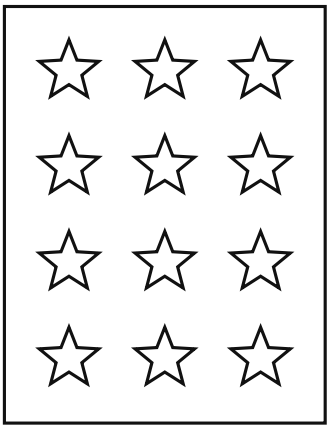
ANSWERS AT A GLANCE

1. 3 + 3 + 3 + 3 = 12 stickers.
2. (a) 5 + 5 = 10 (b) 3 + 3 + 3 = 9 (c) 3 + 3 + 3 + 3 + 3 = 15 (d) 5 + 5 + 5 + 5 + 5 = 25
3. 10 chairs (2 + 2 + 2 + 2 + 2 = 10).
4. She missed one row. 4 + 4 + 4 + 4 = 16 cubes.

WORKED SOLUTIONS

1. Look at the star stickers. Add the rows. How many stickers?

☐ + ☐ + ☐ + ☐ = _____



ANSWER

3 + 3 + 3 + 3 = 12 stickers.

SOLUTION

There are 4 rows. Each row has 3 stars. Add one 3 for each row.

3 + 3 + 3 + 3 = 12. Count by threes to check: 3, 6, 9, 12.

2. Write an addition sentence for each array.

(a) 2 rows of 5

(b) 3 rows of 3

(c) 5 rows of 3

(d) 5 rows of 5

ANSWER

(a) 5 + 5 = 10 (b) 3 + 3 + 3 = 9 (c) 3 + 3 + 3 + 3 + 3 = 15 (d) 5 + 5 + 5 + 5 + 5 = 25

SOLUTION

Add the number in a row once for each row.

(a) 5 + 5 = 10 (b) 3 + 3 + 3 = 9 (c) 3, 6, 9, 12, 15, so 15 (d) 5, 10, 15, 20, 25, so 25

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3. Leah sets out chairs for a puppet show. She makes 5 rows of 2 chairs. How many chairs? _____

ANSWER

10 chairs (2 + 2 + 2 + 2 + 2 = 10).

SOLUTION

Add one 2 for each row: 2 + 2 + 2 + 2 + 2 = 10. There are 10 chairs.

4. An ice cube tray has 4 rows of 4 cubes. Mia writes 4 + 4 + 4 = 12. What did she miss? How many cubes?

ANSWER

She missed one row. 4 + 4 + 4 + 4 = 16 cubes.

SOLUTION

There are 4 rows, so the sentence needs four 4s. Mia wrote only three.

4 + 4 + 4 + 4 = 16. The tray has 16 cubes.

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