

Grade 2 Unit 8

Lesson 11

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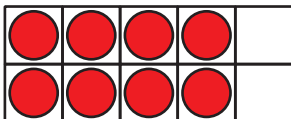
Unit 8 Lesson 11: Arrays and Rectangles

WU Which One Doesn't Belong: All Kinds of Arrays (Warm up)

Student Task Statement

Which one doesn't belong?

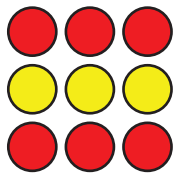
A



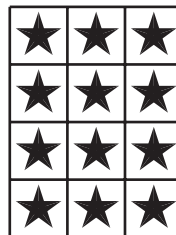
B



C



D



1 Use Tiles to Make Arrays

Student Task Statement

Choose a number of tiles.

12

15

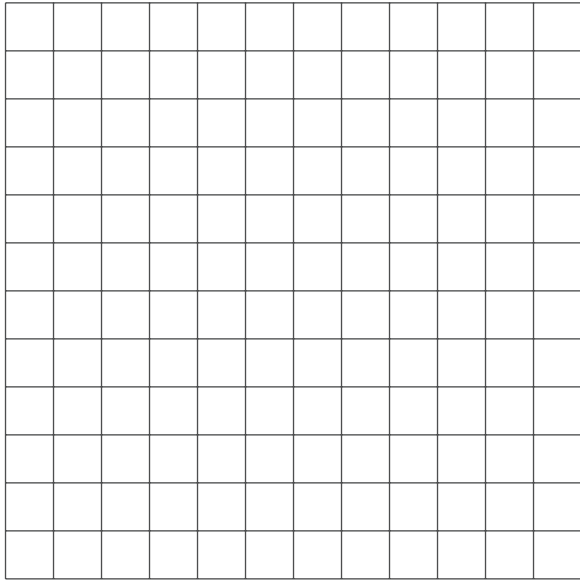
16

18

20

Arrange all the tiles in an array. Then push them together to make a rectangle.

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1. Shade in the same arrangement of squares on the grid paper.

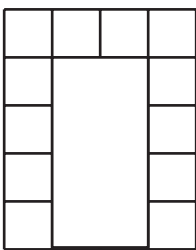


2. How many rows of squares does your rectangle have? _____
3. How many columns does your rectangle have? _____
4. How many tiles are in your rectangle? _____
5. Write 2 equations to represent the number of squares in your rectangle.

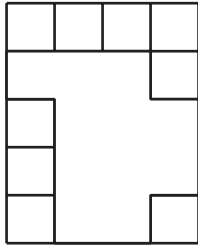
2 Make Equal-size Squares

Student Task Statement

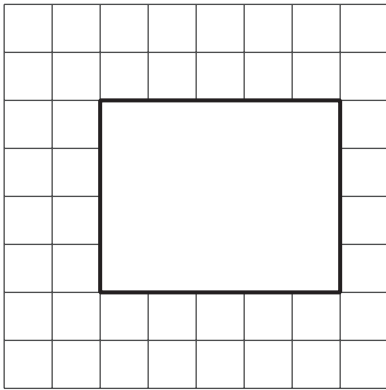
1. a. Draw lines so that the rectangle is completely filled with equal-size squares.



- b. Color the rows different colors.
- c. How many rows of equal-size squares are there?
- d. How many squares are in each row?
- e. Write an equation to represent the sum of the squares in each row.
2. a. Draw lines so that the rectangle is completely filled with equal-size squares.



- b. Color the columns different colors.
 - c. How many columns of equal-size squares are there?
 - d. How many squares are in each column?
 - e. Write an equation that represents the sum of squares in each column.
3. a. Draw lines so that the rectangle is completely filled with equal-size squares.



- b. How many columns of equal-size squares are there? How many squares are in each column?
- c. How many rows of equal-size squares are there? How many squares are in each row?
- d. Write 2 equations to represent the number of equal-size squares in the rectangle.

Images for Activity Synthesis

