

Exploring Factors Using Tiles

1. Diana drew the rectangle below to show $3 \times 4 = 12$. Use 12 tiles to make as many rectangles as you can. Shade them in and write a multiplication sentence by each rectangle.

$3 \times 4 = 12$

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2. Darius knows he can make a rectangle like the one below to show 1×18 . Use 18 tiles to make as many rectangles as you can on the grid. Write a number sentence by each rectangle.

The image shows a grid for a math activity. On the left side, there is a vertical strip of 18 shaded squares, representing a 1×18 rectangle. The equation $1 \times 18 = 18$ is written vertically next to this strip. To the right of this strip is a larger grid consisting of 18 columns and 18 rows of empty squares, intended for students to place 18 tiles to form various rectangles.