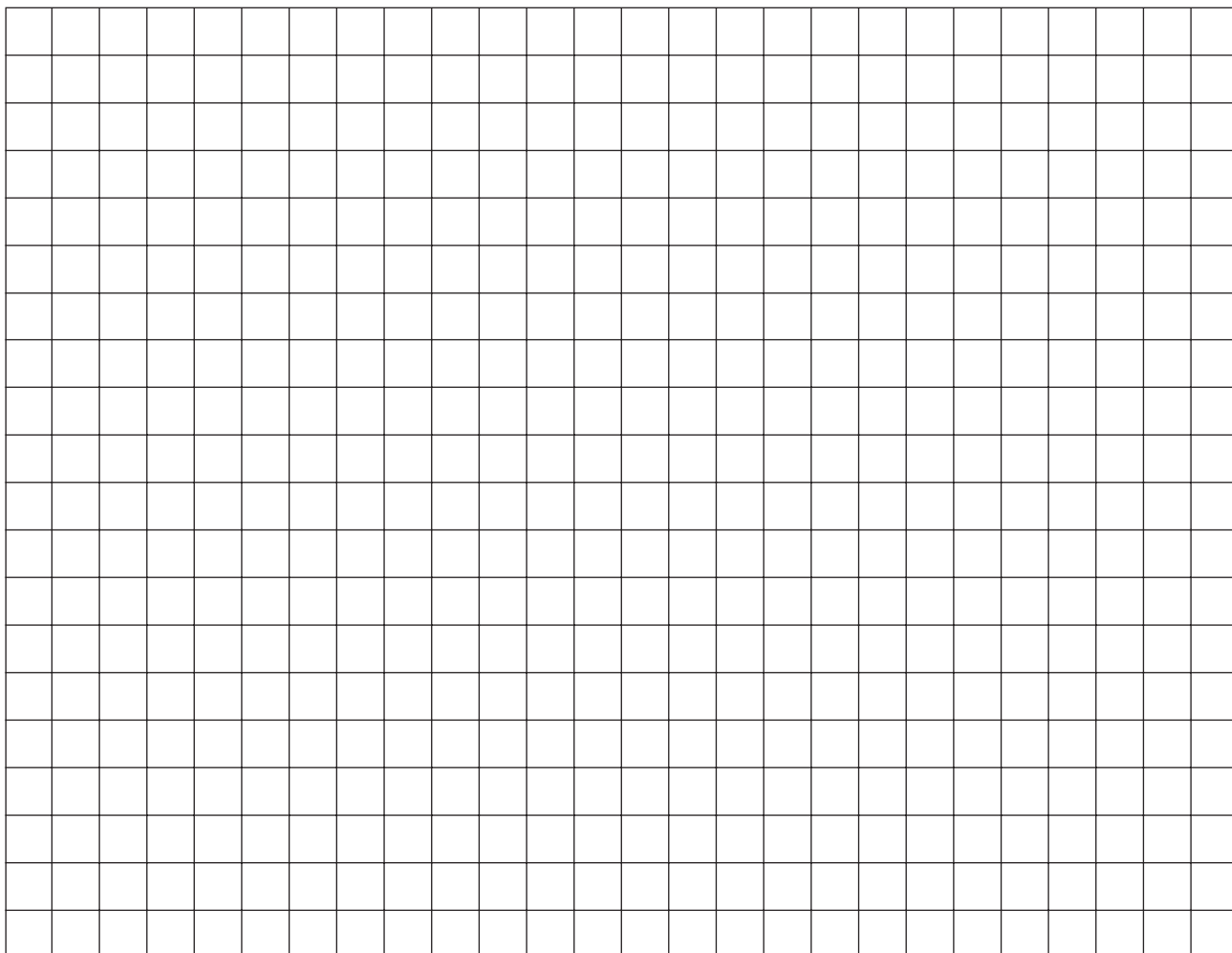


Connecting Multiplication and Division

- 1 Write a story to match the sentence. Then complete the fact family.

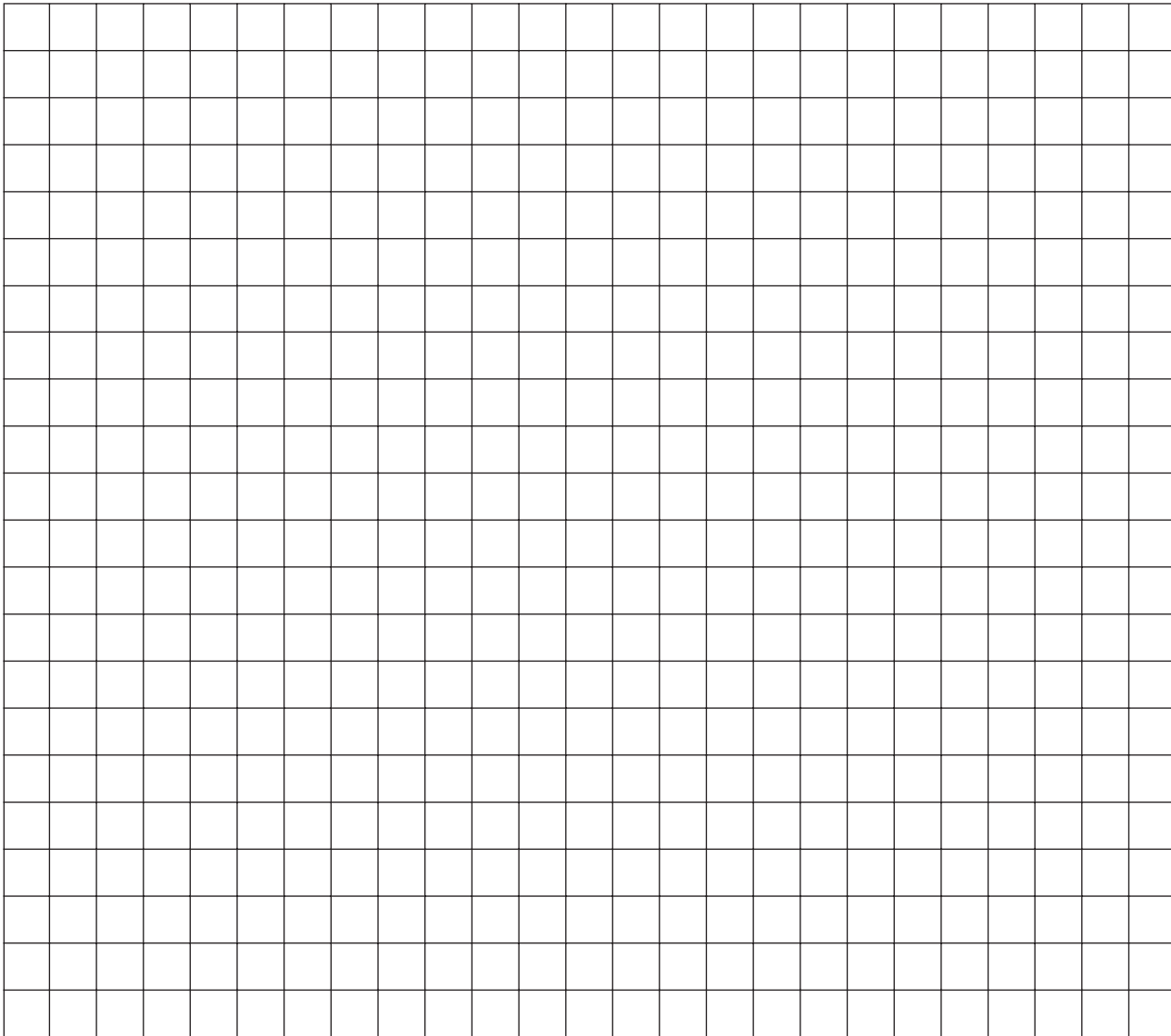
$132 \div 12 =$ _____

- 2 Draw a picture to model the division sentence and your story. You can use the grid if you want.



Using Multiplication Facts

- 1 There are many ways to draw a rectangular array with 24 squares. Draw as many arrays as you can.



- 2 Find as many ways as you can to write 48 as the product of two whole numbers.

$$\underline{\quad} \times \underline{\quad} = 48 \quad \underline{\quad} \times \underline{\quad} = 48 \quad \underline{\quad} \times \underline{\quad} = 48$$

$$\underline{\quad} \times \underline{\quad} = 48 \quad \underline{\quad} \times \underline{\quad} = 48 \quad \underline{\quad} \times \underline{\quad} = 48$$

Combining Arrays

	W				Y				Z			
J												
Q												
N												
V												

1 QW → $4 \times 4 =$ _____

2 JY → $2 \times$ _____ = _____

3 VW → _____ \times _____ = _____

4 NW → _____ \times _____ = _____

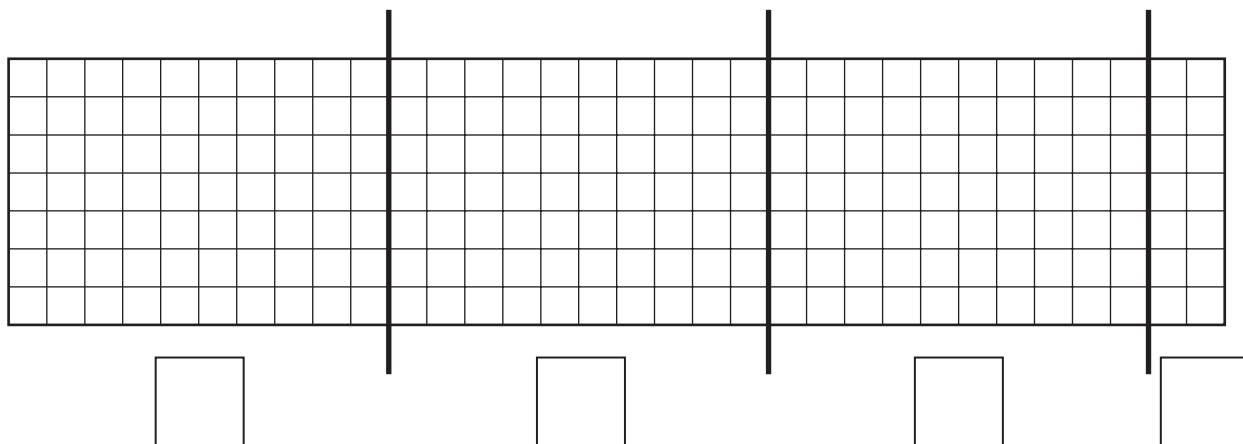
5 NZ → _____ \times _____ = _____

6 QZ → _____ \times _____ = _____

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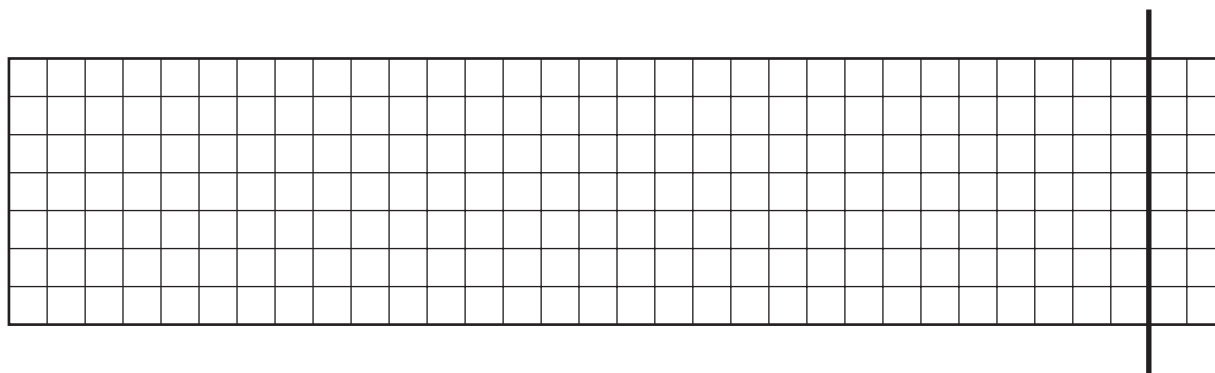
Separating Arrays into Regions

- 1 Use the number of squares in each part to find the number of squares in the entire array.



Total number of squares: _____

- 2 Here is another way to separate the array. Write number sentences for the two parts of this array.



_____ × _____ = _____

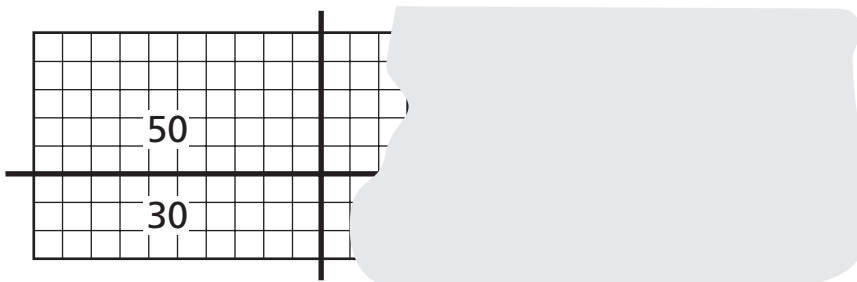
_____ × _____ = _____

- 3 Write a number sentence for the entire array.

_____ × _____ = _____

Separating Arrays into Four Regions

Imagine an array with 8 rows of small squares. The array has been divided into four sections using two lines. You can see the number of squares in the two sections on the left, but not the two sections on the right. The two sections on the right of the array might have any number of columns!



Think of at least three different arrays, and complete a Cross Number Puzzle to go with each of your arrays. You may use the grid at the bottom of the page if you wish.

50		
30		

50		
30		

50		
30		

