Mathematics

Array Models

Mr Coward

Try this

Fill in the blanks in the calculation below using positive integers.

$$36 = \boxed{} \times \boxed{}$$
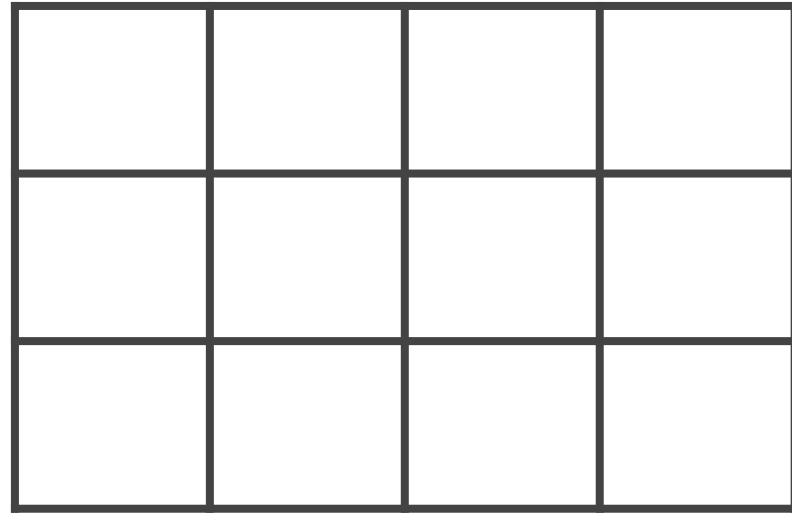
Find all possible answers.

How do you know when you have all possibilities?

How many possibilities are there if non-integers were allowed?

Independent task

1) Explain how the model can represent each calculation.
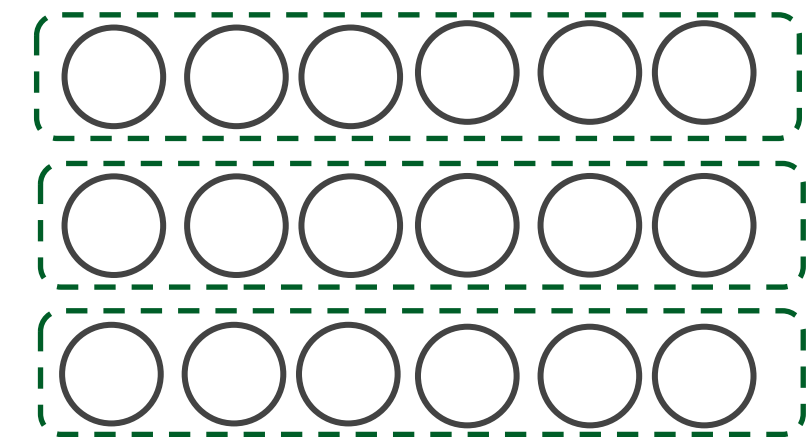

$4 \times 3 = 12$

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2) Jennie has drawn an array, she has grouped the dots to show 3×6 = 18
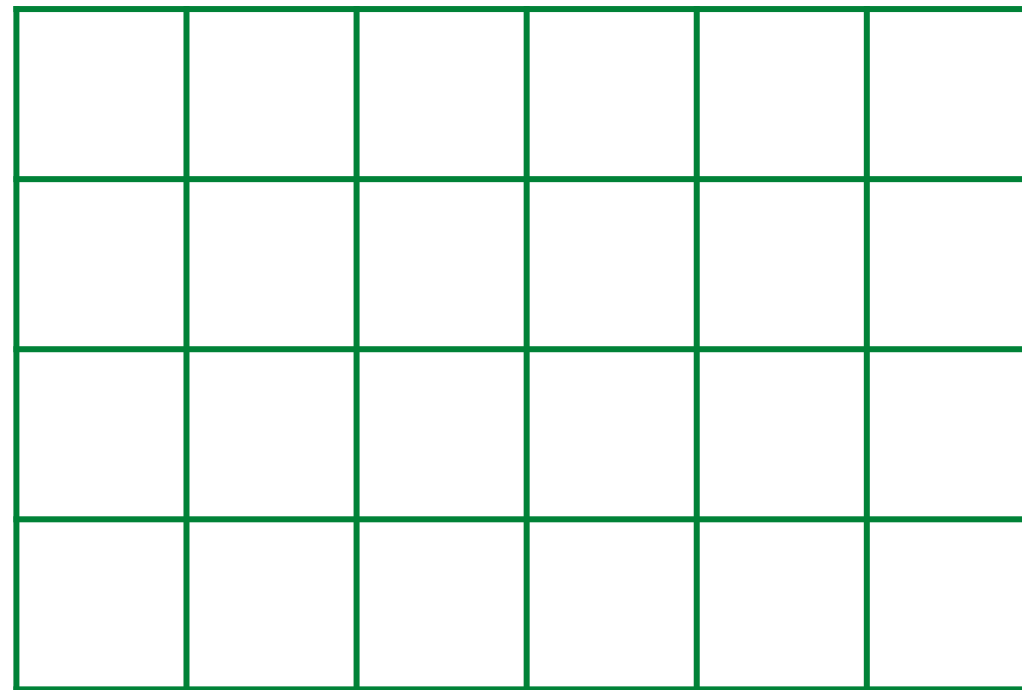
a) Draw the array, group the dots differently to show this

b) By grouping an array in two different ways, show that 5 × 2 = 2 × 5.

c) What other calculations can you show using a 5 × 2 array?

Explore

The array below also represents the number 24.
Write fact families for this array.

How many other arrays can you draw to represent the number 24?
Write a fact family for each array