

Mathematics

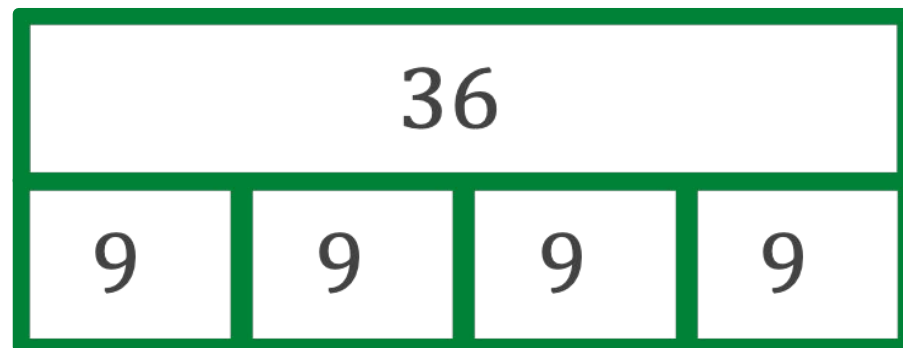
# Models of multiplication

Mr Coward

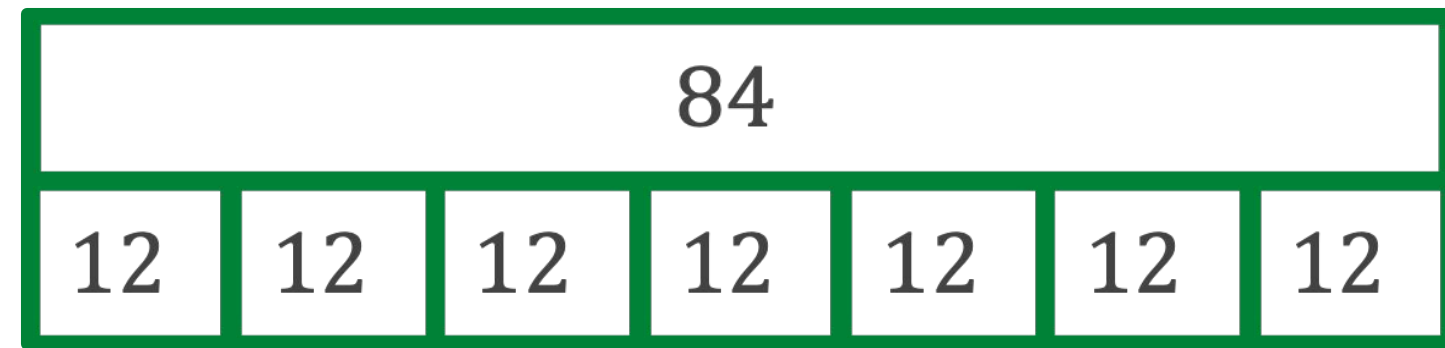


# Try this

What different multiplication and division facts does the bar model show?



$$\begin{array}{l} \underline{\quad} \times \underline{\quad} = \underline{\quad} \\ \underline{\quad} \times \underline{\quad} = \underline{\quad} \\ \underline{\quad} \div \underline{\quad} = \underline{\quad} \end{array}$$



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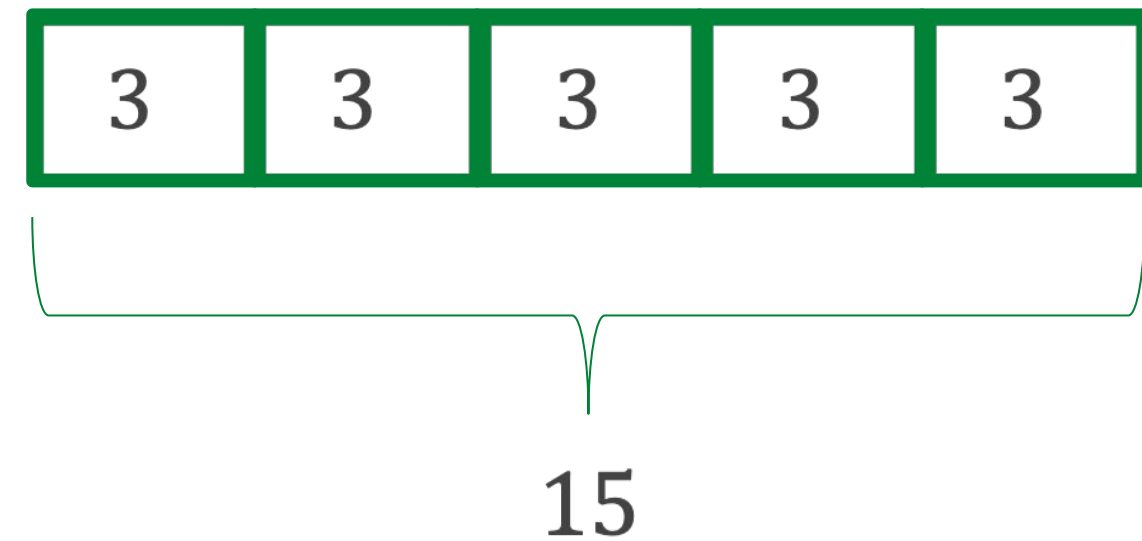


# Independent task

1) Use the bar model to copy and complete the calculations in the following fact family:

$$5 \times 3 = \underline{\quad}$$

$$15 \div \underline{\quad} = 3$$

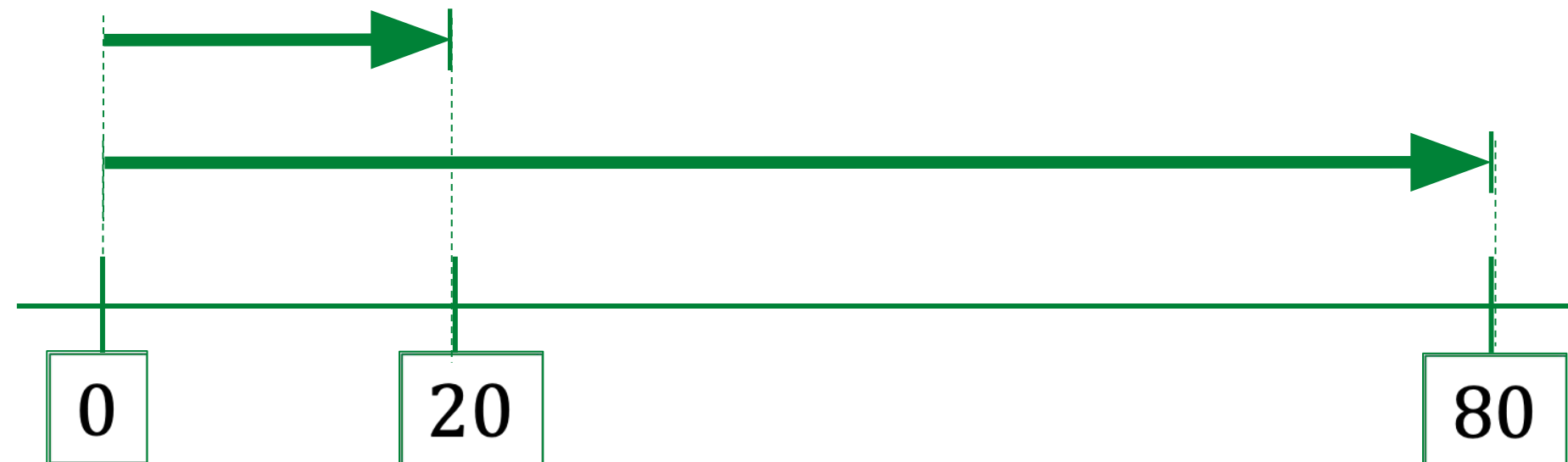


# Independent task

2) Use the bar model to copy and complete the calculations in the following fact family:

$$\underline{\quad} \times 4 = \underline{\quad}$$

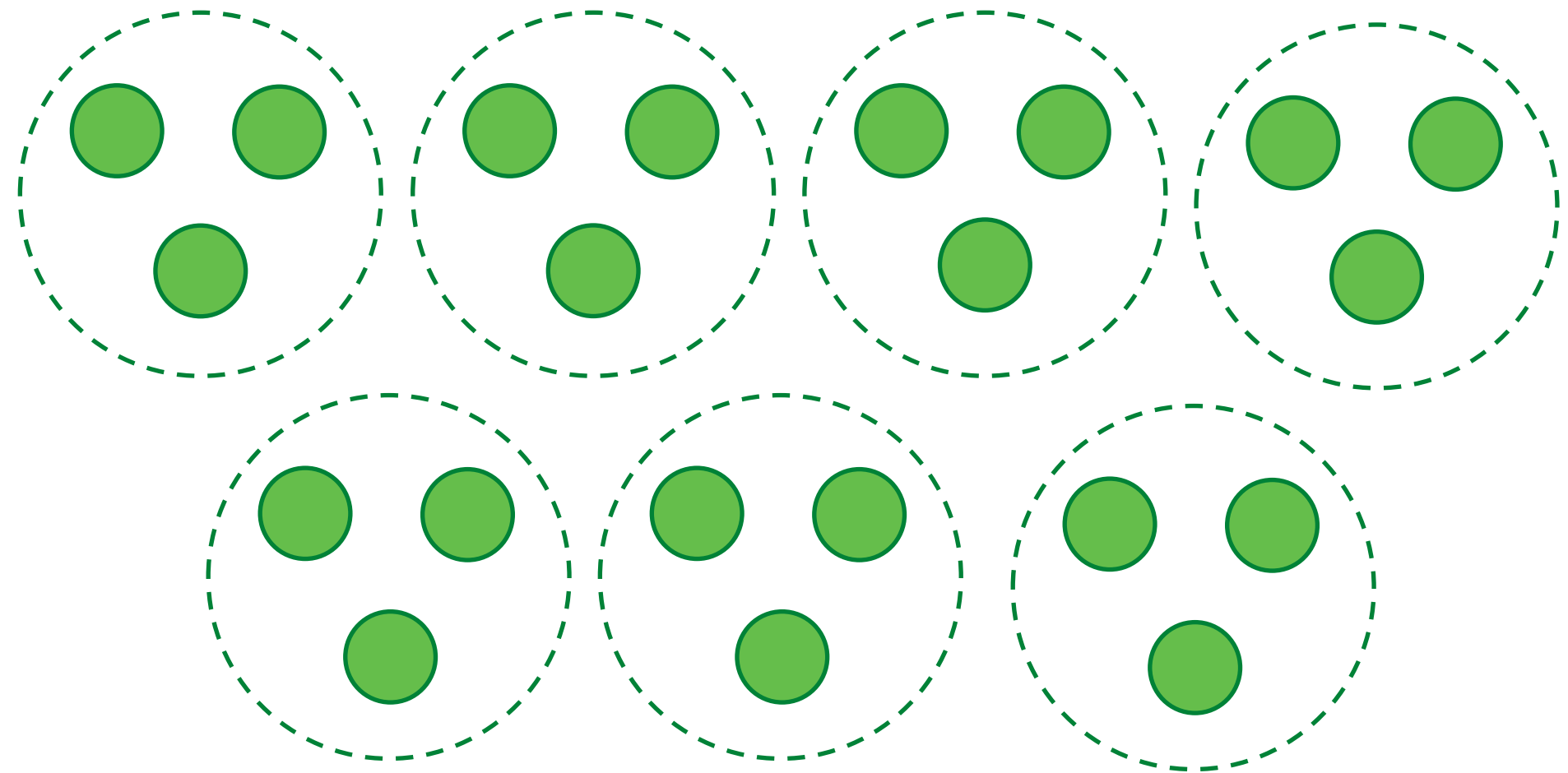
$$80 \div \underline{\quad} = \underline{\quad}$$



# Independent task

3) Use the bar model to copy and complete the calculations in the following fact family:

$$\underline{\quad} \times 3 = \underline{\quad}$$
$$\underline{\quad} \div 7 = \underline{\quad}$$



# Explore

Generate as many different problems for the calculation  $27 \div 9$   
Draw a model for each of your problems



I think I'm going to draw an array!



I'm going to share 27 sweets between 9 people

