

Representing word problems using bar models

Mathematics

Miss Thomas



Question 1

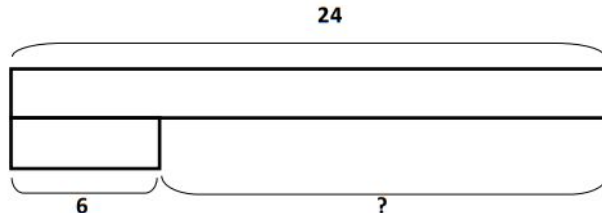
Match the word problems to the bar model. Use the questions to help you.

Do you start with the whole or the parts?

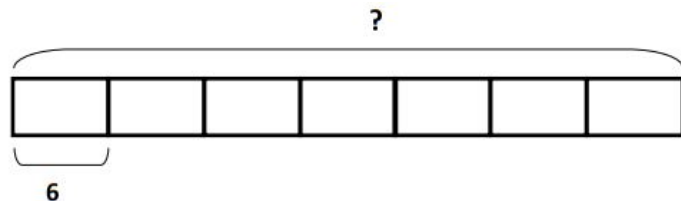
Is there more than one part?

Are the parts of equal value?

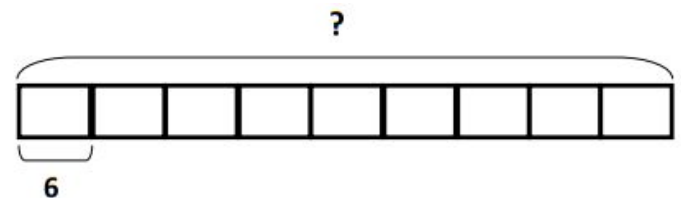
Peta saved up her pocket money and went to the cinema every day for one week. The cinema ticket cost £6 every day. How much did she spend on tickets?



Tim had 30 eggs when he opened the café on Sunday morning. He served 18 boiled eggs and 6 fried eggs before lunchtime. How many eggs did he have left?



Tim needs to know how many eggs he has left before he goes to buy more for the café. The eggs are packed in boxes of six. If there are nine boxes left, how many eggs does Tim have?



Question 1

Let's explore the answers

Do you start with the whole or the parts?

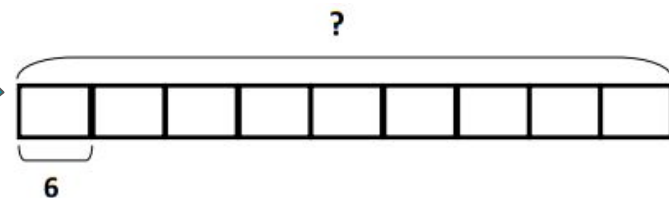
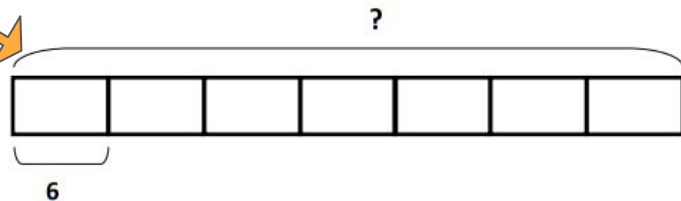
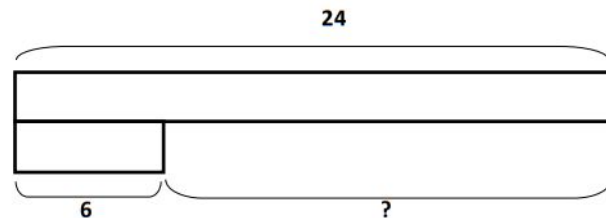
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Peta saved up her pocket money and went to the cinema every day for one week. The cinema ticket cost £6 every day. How much did she spend on tickets?

Peta has saved £24 to go to the Cinema with. She buys one ticket for £6. How much money does she have left?

Tim needs to know how many eggs he has left before he goes to buy more for the café. The eggs are packed in boxes of six. If there are nine boxes left, how many eggs does Tim have?



Question 2

Draw your own bar model to represent a word problem.

- Select a word problem and use the question frame to help you draw a bar model that represents it.
- Identify if the problem needs multiplication or division to solve it and use your multiplication facts to help you find the answer.

Do you start with the whole or the parts?

Is there more than one part?

Are the parts of equal value?

Tim needs to buy sauce for customers to put on their breakfast. He has 6 bottles of brown sauce but he needs twice as much tomato ketchup. How many bottles of tomato ketchup should he buy?

Anya has six times as many football stickers as her little brother, Nick. If Anya has 54 stickers, how many stickers does Nick have?

There are 24 sweets left in the pick and mix bag and there are six children to share them between. They each choose one sweet at a time and pass the bag around until it is empty. How many sweets do they each get?

Question 2

Let's explore the answers

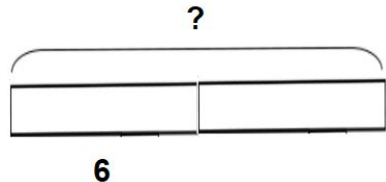
- Select a word problem and use the question frame to help you draw a bar model that represents it.
- Identify if the problem needs multiplication or division to solve it and use your multiplication facts to help you find the answer. **They all need multiplication or division to solve them as they are all split into equal groups.**

Do you start with the whole or the parts?

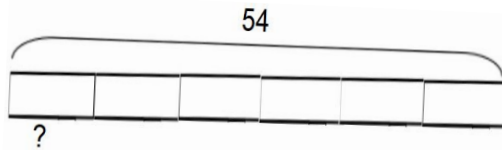
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