



Problem Solver

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.



Solve the problems.

Raj buys 20 cupcakes priced £2.40 each and a chocolate cake priced £5.50. How much did he spend altogether?

Mabel has 360 stickers. She shares them equally between four friends. Out of one of her friend's share, she gives her sister 54 stickers. How many stickers does her friend have remaining?

I got £48.50 for my birthday. I spent £8.67 on Saturday and £19.49 on Sunday. How much spending money have I got left?





I think of a number. I divide it by 25 then multiply the answer by four. The answer is 128. What was my starting number?

On Sunday, I spend 114 minutes on my art project, and 45 minutes on my numeracy homework. On Thursday evening, I spent a total of 111 minutes on my homework. What is the difference between the time I spend doing homework on Sunday and Thursday evening?

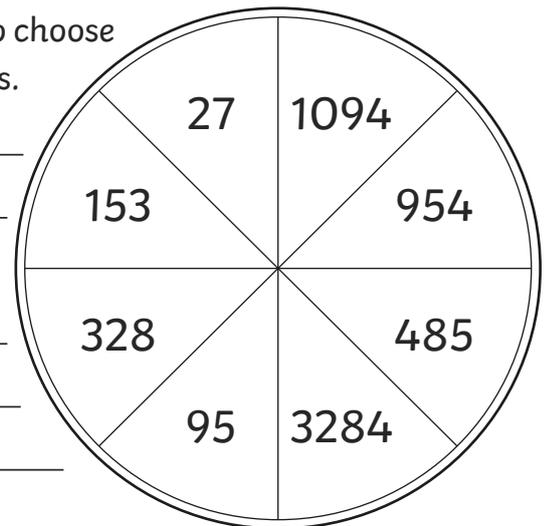
Helena has £50. She buys eight CDs priced £4.60 each. How much money will she have remaining?

Use a pencil and a paperclip as a spinner. Flick the paperclip to choose an answer for your problem. Create three two-step problems.

1) _____

2) _____

3) _____





Problem Solver Answers

Question	Answer
Raj buys 20 cupcakes priced £2.40 each and a chocolate cake priced £5.50. How much did he spend altogether?	£53.50
Mabel has 360 stickers. She shares them equally between four friends. Out of one of her friend's share, she gives her sister 54 stickers. How many stickers does her friend have remaining?	36 stickers
I got £48.50 for my birthday. I spent £8.67 on Saturday and £19.49 on Sunday. How much spending money have I got left?	£20.34
I think of a number. I divide it by 25 then multiply the answer by four. The answer is 128. What was my starting number?	800
On Sunday, I spend 114 minutes on my art project, and 45 minutes on my numeracy homework. On Thursday evening, I spent a total of 111 minutes on my homework. What is the difference between the time I spend doing homework on Sunday and Thursday evening?	48 minutes
Helena has £50. She buys eight CDs priced £4.60 each. How much money will she have remaining?	£13.20
Use a pencil and a paperclip as a spinner. Flick the paperclip to choose an answer for your problem. Create three two-step problems.	Various answers.



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Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.



Solve the problems.

Sarah completed her marathon raising £551.20. She shares her raised money between her four chosen charities. Her mum insisted on giving £43 to each chosen charity as well. How much did each charity receive?

I think of a number. I divide it by 25 then I subtract 45.5 The answer is 128. What was my starting number?

Lex has £95.27. He wants to buy eight DVDs priced £8.67 each. How much money will he have left?





I think of a number. I multiply the number by 100 then add 3.9. My answer is 7.85. What was my starting number?

Each table in a classroom is 100cm long and 50cm wide. There are 16 tables in a classroom. What is the total area of the tables in the classroom in square metres?

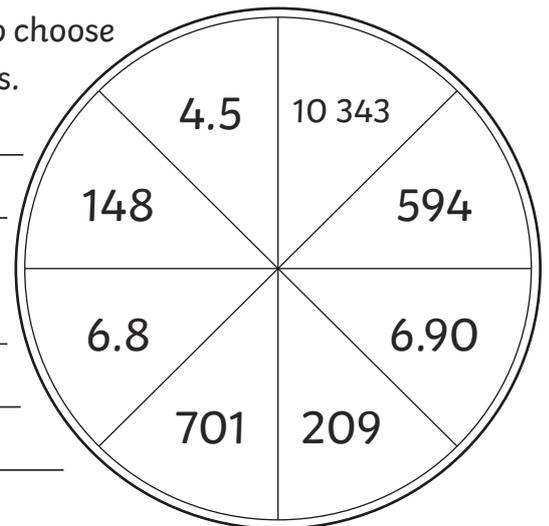
Ruby has 1.096l of juice. She shares it equally between eight cups. Her sister drinks two cups. How much juice does she have remaining?

Use a pencil and a paperclip as a spinner. Flick the paperclip to choose an answer for your problem. Create three two-step problems.

1) _____

2) _____

3) _____





Problem Solver Answers

Question	Answer
	Sarah completed her marathon raising £551.20. She shares her raised money between her four chosen charities. Her mum insisted on giving £43 to each chosen charity as well. How much did each charity receive?
	£180.80
	I think of a number. I divide it by 25 then I subtract 45.5 The answer is 128. What was my starting number?
	4337.5
	Lex has £95.27. He wants to buy eight DVDs priced £8.67 each. How much money will he have left?
	£25.91
	I think of a number. I multiply the number by 100 then add 3.9. My answer is 7.85. What was my starting number?
	0.0395
	Each table in a classroom is 100cm long and 50cm wide. There are 16 tables in a classroom. What is the total area of the tables in the classroom in square metres?
	8 square metres
	Ruby has 1.096l of juice. She shares it equally between eight cups. Her sister drinks two cups. How much juice does she have remaining?
	822 millilitres or 0.822l
	Use a pencil and a paperclip as a spinner. Flick the paperclip to choose an answer for your problem. Create three two-step problems.
	Various answers.



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Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.



Solve the problems.

A bakery sells 19 types of muffins. They make seven of each type in every batch they bake. How many muffins does the shop bake in 40 batches?

At the fabric shop, I bought 245.67 metres of orange fabric, 94.35 metres of yellow fabric and 294.05 metres of purple fabric. I have used 144.59 metres of orange fabric, 58.74 metres of yellow fabric and 59.97 metres of purple fabric. How many metres of fabric do I have left in total?

I think of a number. I divide it by 25, add 14.56 then halve the answer. My answer is 14.28. What was my starting number?





For breakfast, Helena bought a croissant for £1.86 and a glass of orange juice for £2.34. At lunch, Helena spent £4.70 on a sandwich and £1.09 on a bottle of water. How much more money did Helena spend on lunch than on breakfast?

A carpet costs £7.80 per square metre and underlay costs £3.25 per square metre. A bedroom measures 4m by 3m. How much will it cost to lay underlay and carpet in the bedroom?

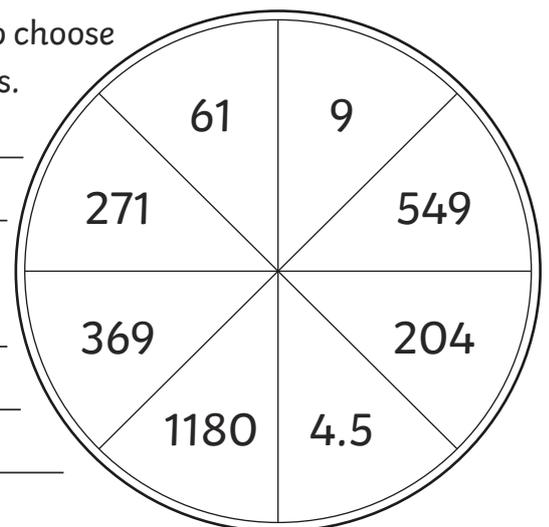
$$45.9 \times 8 = \square - 83.24$$

Use a pencil and a paperclip as a spinner. Flick the paperclip to choose an answer for your problem. Create three two-step problems.

- 1) _____

- 2) _____

- 3) _____





Problem Solver Answers

Question	Answer
A bakery sells 19 types of muffins. They make seven of each type in every batch they bake. How many muffins does the shop bake in 40 batches?	5320 muffins
At the fabric shop, I bought 245.67 metres of orange fabric, 94.35 metres of yellow fabric and 294.05 metres of purple fabric. I have used 144.59 metres of orange fabric, 58.74 metres of yellow fabric and 59.97 metres of purple fabric. How many metres of fabric do I have left in total?	370.77 metres
I think of a number. I divide it by 25, add 14.56 then halve the answer. My answer is 14.28. What was my starting number?	350
For breakfast, Helena bought a croissant for £1.86 and a glass of orange juice for £2.34. At lunch, Helena spent £4.70 on a sandwich and £1.09 on a bottle of water. How much more money did Helena spend on lunch than on breakfast?	£1.59
A carpet costs £7.80 per square metre and underlay costs £3.25 per square metre. A bedroom measures 4m by 3m. How much will it cost to lay underlay and carpet in the bedroom?	£132.60
$45.9 \times 8 = \square - 83.24$	450.44
Use a pencil and a paperclip as a spinner. Flick the paperclip to choose an answer for your problem. Create three two-step problems.	Various answers.