

Diving into Mastery – Diving

Adult Guidance with Question Prompts

Children could use number lines, ten-frames, bar models, part-whole models, number shapes, sticks of cubes or known facts to find the missing numbers.

Can you tell me how much each toy costs to buy?

How much did Theo have to spend?

How much change did he get?

How can you find out the missing number?

What could you use to help?

Are there any answers you knew?

Can you explain how you knew?

Finding a Part



What did each of the children buy at the toy stall?



Theo

$$£8 - ? = £2$$

Aisha

$$£9 - ? = £4$$



Ben

$$£7 - ? = £4$$



Explain how you worked out the missing number to your friend.

Diving into Mastery – Deeper

Adult Guidance with Question Prompts

Children discuss the different ways of representing a calculation. They look carefully at each representation to check it matches the calculation. They explain why the representations match or do not match.

What different representations can you see?

How much did mum spend?

Can you write it as a calculation?

Which of these images represent mum spending £5 of her £7?

How do you know?

Can you ring them?

Which ones represent a different calculation?

What calculation do they represent?

How else could we represent this calculation?

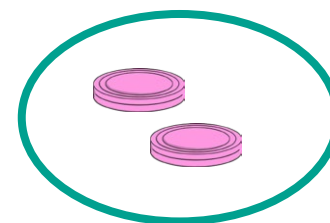
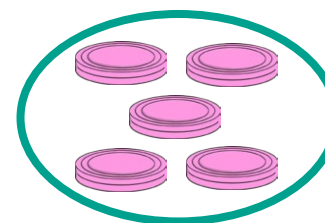
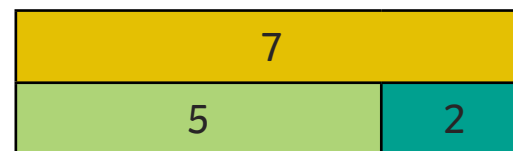
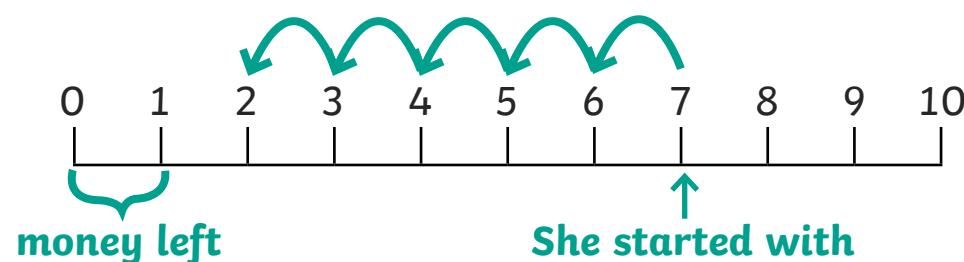
Children could use a part-whole model or £1 coins.

Finding a Part



Theo's mum had £7; she spent some money at the cake sale. She got £2 change.

Which of these images represent how much she spent? Ring them.



Can you find any different ways of representing the calculation?

Diving into Mastery – Deepest

Adult Guidance with Question Prompts

Children could use number lines, ten-frames, bar models, part-whole models or known facts to solve this problem.

How much does Theo have to spend?

How much change did he get?

Can you write a calculation to show what we need to find out?

$£10 - ? = £5$

How can you find the missing number?

Which method will you choose?

Can you use equipment to help you?

Can you find out how much mum spent if she had no change?

What could she have bought for £10?

Can you use known facts to help you?

Can you see two amounts that go together to make £10?

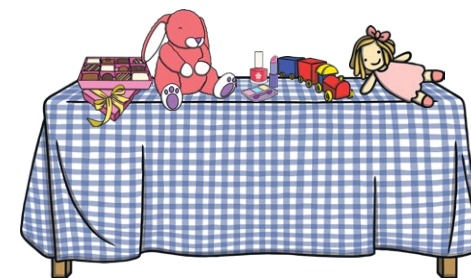
Finding a Part



Theo and his friends each have £10 to spend at the school fair. They spent some money at the tombola stand.

TOMBOLA

1 ticket £2
3 tickets £5
5 tickets £8



How many tickets did each of them buy if they got these amounts of change:

- Theo got £5 change
- Aisha got £2 change
- Ben got £8 change



This calculation represents how many tickets Theo's mum bought:

$£10 - ? = £0$

Can you explain what happened?