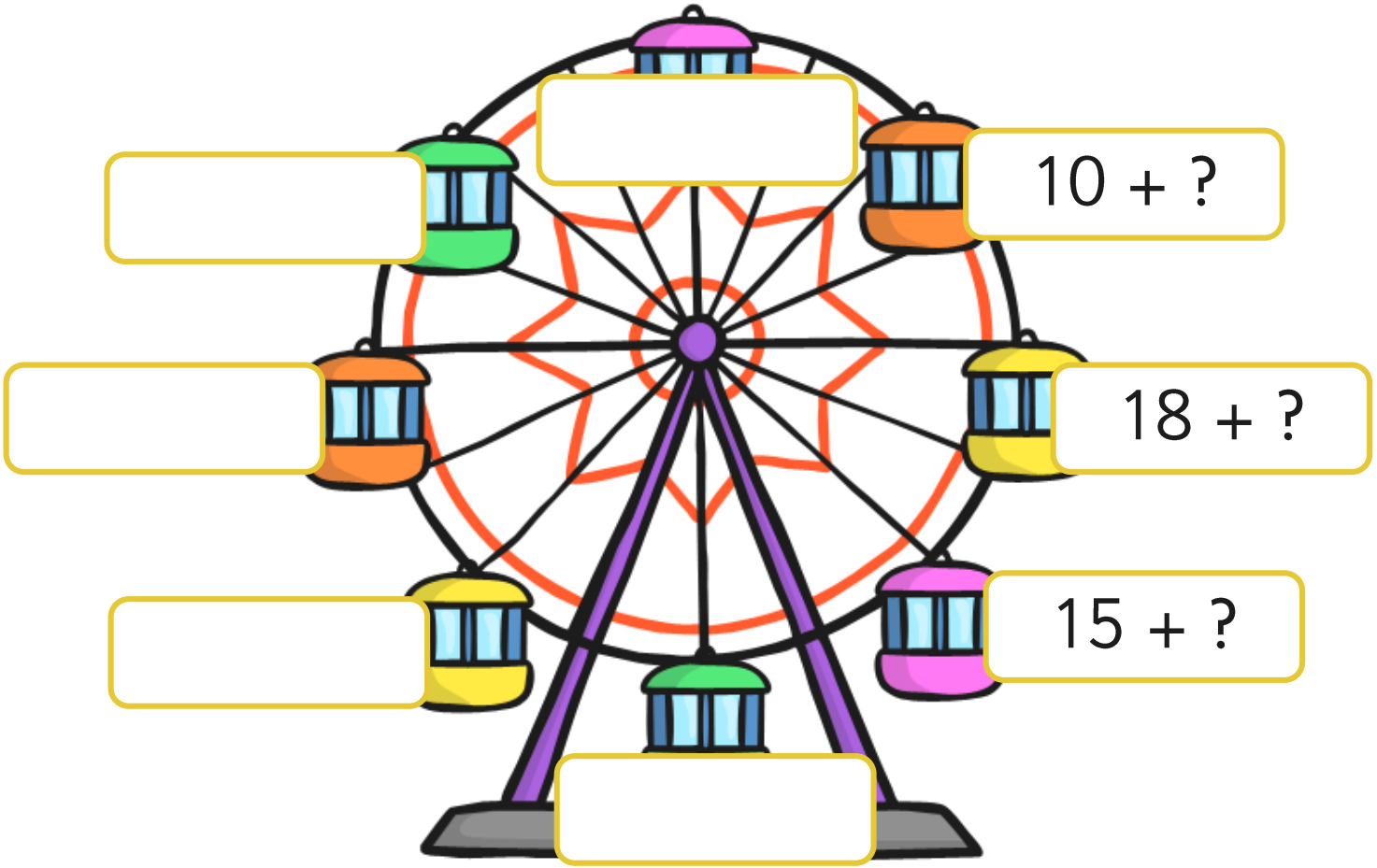
Maths Mastery Activities

How many different ways can you find to make a total of 20?



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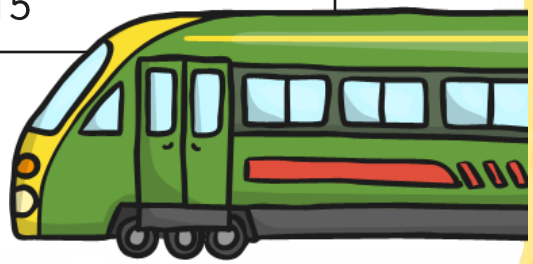
Off on a Trip

I have £20. I would like to go on two journeys. Where could I visit? How much would it cost altogether to visit both places?

Destination	Price
London	£14
Birmingham	£11
Glasgow	£5
Edinburgh	£9
Dublin	£6
Cardiff	£15



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Riddle Me This!

I'm thinking of a number.

If add 7, the answer is 20.

What number was I thinking of?

How do you know? Explain your answer.

Can you make a riddle for a friend to answer?

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Zorg the Alien!

Zorg says,

‘If I start at number 3 and keep adding 2, I will eventually get to 20.’

Is he right? Explain your answer.

Zorg then says,

‘If I add two odd numbers together, it will always make 10.’

Is he right? Explain your answer.

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Missing Numbers!

Pirate Paul McPlunder has been stealing numbers! Can you put them back to make these number sentences correct?

10 = ? + 6

12 + ? = 20

7 + ? = 10

? + ? = 20

3 + ? + ? = 10

20 = ? + ? + 11

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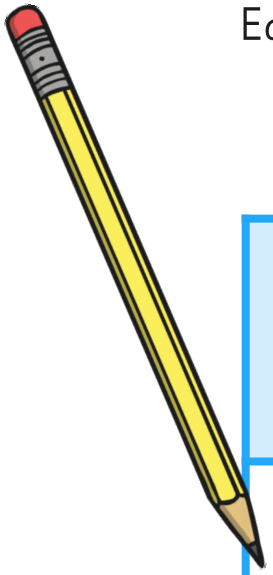
Super Squares!

Each row and the column on this square adds up to 20.
Fill in the missing numbers.



5		8
	11	
		4

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Explain Your Reasoning!

Mart the alien says,

‘If I know that 14 + 6 = 20, then I know how to quickly work out 20 – 6.’

How does Mart the alien know the answer? Explain your reasoning!

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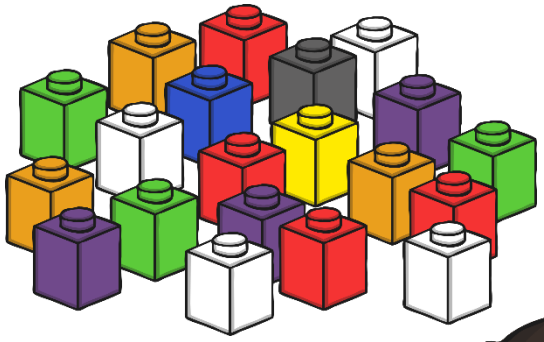
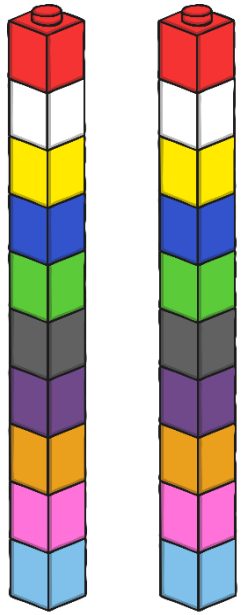
Using Objects

Imogen and Bartek are using cubes to help their counting. They're working out the answer to 13 + 7. Who has the correct answer? Explain your answer.





Imogen

Bartek

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