


Percentage Challenges

These challenges are perfect for people who are feeling fairly confident with calculating percentages of amounts. Type your answer in the space underneath each challenge picture.

Maths Mastery - Ratio: Solve Problems Including Percentages

Write an explanation of how to calculate 37% of 240.
(Share your explanation with a partner.)

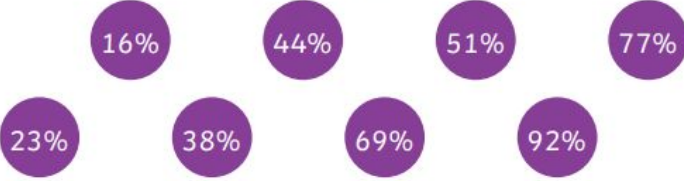


What is the same and what is different about your explanations? Can you improve your explanation?

Qsn 1

Maths Mastery - Ratio: Solve Problems Including Percentages

Explain which combinations of percentages you would use to find these:

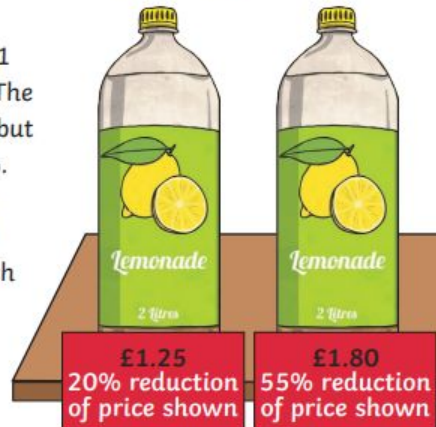


Share and compare your ideas with a partner or in a group.
Do you prefer using any of the other ideas in the group?

Qsn 2

Maths Mastery - Ratio: Solve Problems Including Percentages

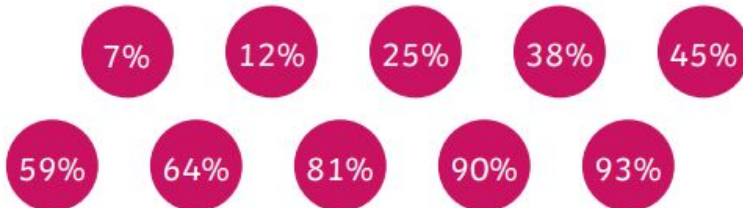
A shop sells two different 1 litre bottles of lemonade. The full price of one is £1.25, but there is a discount of 20%. The full price of the other £1.80 but is being sold at 55% of its full price. Which bottle is cheaper?



Qsn 3

Maths Mastery - Ratio: Solve Problems Including Percentages

Calculate the following percentages of 360°.



Share your ideas with a partner or in a group. Where you have different answers, discuss how you found your answer. Which answer do you think is correct?

Qsn 4

Maths Mastery - Ratio: Solve Problems Including Percentages

Complete the table and draw a pie chart with the following percentages:

Colour	Percentage	Required Angle
Blue	23%	
Yellow	12%	
Green	26%	
Red	31%	
Orange	8%	

Share your ideas with a partner or in a group. Where you have different answers, do you prefer any from others in the group?

Qsn 5