1)				
α)	40 100	=	40%	
	100		64 %	
c)	74 100	=	74%	
2)				
α)	7 10	=	70 %	
b)	2 10	=	20 %	
c)	9 10	=	90 %	

1) Felix has mistakenly thought that all percentages are the same as the numerator. However, this is only the case when the denominator is 100. The correct answer is 40%, not 4%.

2) 65% is the odd one out because all of the others are equivalent to 75%.

3)

a) 60% b) 40%

c) $\frac{1}{4}$

3) Drew is incorrect as $\frac{3}{15}$ can be converted to a percentage by finding an equivalent fraction. $\frac{3}{15} = \frac{1}{5} = 20\%$

4) Jia is correct. $\frac{6}{8}$ is equivalent to $\frac{3}{4}$ and this is equivalent to 75%.

Bartek is has taken 50 marbles. Hari has taken 120 marbles.
200 - 170 = 30 so there are 30 marbles left.

2) $\frac{1}{4}$ = 25% so 25% of the sweets are red.

100% - 25% (red sweets) = 75% of the sweets are green and blue.

If there are twice as many green sweets as blue sweets, 50% of the sweets are green and 25% of the sweets are blue.

3) $\frac{12}{16}$, 66%, $\frac{3}{5}$, 53%, $\frac{1}{4}$









Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

National Curriculum Aim

• Recognise the per cent symbol (%) and understand that per cent relates to "number of parts per 100", and write percentages as a fraction with denominator 100, and as a decimal fraction













Percentages as Fractions

Dive in by completing your own activity!













