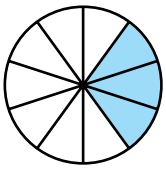
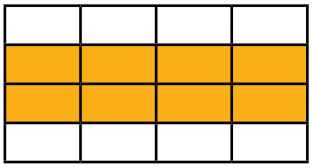
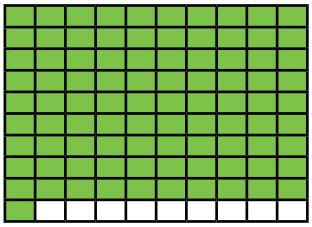
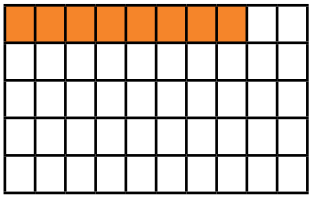
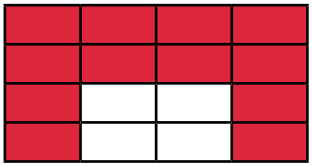
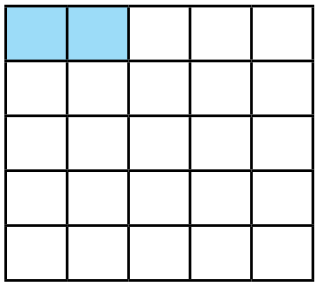
1) Complete the table to show the correct equivalences between the fractions and percentages.

Percentage	Fraction in Its Simplest Form	Visual Representation of the Fraction
		
		
		
		
		
		
		

2) Three friends are sharing a bottle of lemonade. Selma drinks 35% of the bottle; Mia drinks $\frac{2}{5}$; Ruby drinks $\frac{3}{50}$. What percentage of the lemonade is left in the bottle when they have finished drinking?

1) Isabella thinks that 2% of this diagram is shaded in.

Adam thinks that it is 8%.



Explain which child is correct and why.

2) Are the following statements true or false? Explain your reasoning.

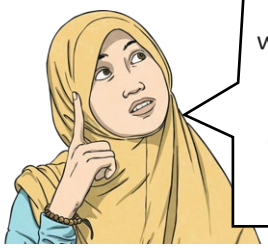
a) 1% = $\frac{100}{1000}$

b) 200% = $\frac{20}{10}$

c) $\frac{30}{50}$ > 25% < $\frac{6}{20}$

1) This table shows the test scores for two children in different school subjects. Each score has been converted to an equivalent fraction, then a percentage.

My maths score was even. When changed to a percentage, it was the closest score to 50% that is possible when an even number is scored.



My Geography score was odd. When changed to a percentage, it was the closest score to 75% that is possible when an odd number is scored.

a) Firstly, use the clues to find two of the children's scores.

	Maths	Science	Geography	Reading
Amelia	$\frac{\square}{25} = \frac{\square}{100} = 68\%$	$\frac{\square}{200} = \frac{\square}{100} = 59\%$	$\frac{\square}{50} = \frac{\square}{100} = \square$	$\frac{\square}{24} = \frac{\square}{8} = 12.5\%$
William	$\frac{\square}{25} = \frac{\square}{100} = \square\%$	$\frac{\square}{200} = \frac{\square}{100} = 78\%$	$\frac{\square}{50} = \frac{\square}{100} = 94\%$	$\frac{9}{\square} = \frac{\square}{8} = 37.5\%$

b) Now, complete the table by working out all of the other missing values.

2) Complete the table by giving possible scores and percentage equivalents for each child. Each child's equivalent percentage score was as follows:

- computing: 60-80%
- history: 85-95%
- arithmetic: 20-40%
- music: 70-80%

	Computing	History	Arithmetic	Music
Lily	$\frac{\square}{200} = \square\%$	$\frac{\square}{500} = \square\%$	$\frac{\square}{32} = \square\%$	$\frac{\square}{250} = \square\%$
Osman	$\frac{\square}{200} = \square\%$	$\frac{\square}{500} = \square\%$	$\frac{\square}{32} = \square\%$	$\frac{\square}{250} = \square\%$