

Fundamental Knowledge Test

Fractions, decimals and percentages

You may not use a calculator.

Answer the questions in the spaces provided.

- 1 Shade in 25% of this rectangle.

[1 mark]



- 2 What fraction of this shape is shaded in?



[1 mark]

Answer _____

- 3 Complete the missing values on this table of equivalent values:

[10 marks]

Fraction	Decimal	Percentage
$\frac{1}{2}$		50%
	0.25	
$\frac{1}{10}$		
$\frac{1}{3}$		33.333...%
		66.66...%
	0.2	

- 4 Write $\frac{3}{4}$ as a decimal.

[1 mark]

Answer _____

- 5 Write 40% as a fraction.

[1 mark]

Answer _____

- 6** Write 0.01 as a percentage. **[1 mark]**

Answer _____

- 7** Write $\frac{6}{100}$ as a percentage. **[1 mark]**

Answer _____

- 8** Write 0.13 as a fraction. **[1 mark]**

Answer _____

- 9** Write 27% as a decimal. **[1 mark]**

Answer _____

- 10** Consider each of the following.
Write **true** or **false** next to each one **[5 marks]**

$$\frac{1}{10} = 0.1$$

$$30\% = \frac{1}{3}$$

$$\frac{7}{10} = 7\%$$

$$90\% = 0.9$$

$$100\% = 1.0$$

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Work out $\frac{1}{4} + 0.5$

Give your answer as a decimal.

[2 marks]

Answer _____