



Name **Class** **Date**

- 1** Ten students are outside their school waiting for their GCSE results.
Four of them got a grade C in mathematics and 2 got a grade D.
None of the students got a grade lower than a D.

- a** What fraction of the students were given a grade C?
Give your answer in its simplest form.

_____ (1 mark)

- b** How many of the students were awarded a grade above C?

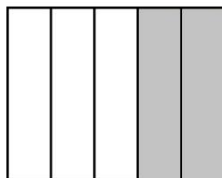
_____ (1 mark)

- c** What fraction of the students got a grade above C?

_____ (1 mark)



2 A shape has been divided into equal sections as shown.



a What fraction of the shape is shaded?

_____ (1 mark)

b What percentage of the shape is shaded?

_____ (1 mark)

3 a Work out $4 \times \frac{1}{7}$

_____ (1 mark)

b Find $\frac{3}{4}$ of 36.

_____ (1 mark)



4 a Find 1% of 800.

_____ (1 mark)

b Find 30% of 120.

_____ (1 mark)

5 Which is greater, $\frac{3}{5}$ or 57%? Show your working.

_____ (1 mark)



- 6** Draw connecting lines to match the values in the ovals with the values in the rectangles.

<div style="border: 1px solid black; border-radius: 50%; width: 80px; height: 80px; display: flex; align-items: center; justify-content: center; margin: 5px;">10%</div>	<div style="border: 1px solid black; width: 80px; height: 80px; display: flex; align-items: center; justify-content: center; margin: 5px;">20%</div>
<div style="border: 1px solid black; border-radius: 50%; width: 80px; height: 80px; display: flex; align-items: center; justify-content: center; margin: 5px;">0.75</div>	<div style="border: 1px solid black; width: 80px; height: 80px; display: flex; align-items: center; justify-content: center; margin: 5px;">0.1</div>
<div style="border: 1px solid black; border-radius: 50%; width: 80px; height: 80px; display: flex; align-items: center; justify-content: center; margin: 5px;">0.3</div>	<div style="border: 1px solid black; width: 80px; height: 80px; display: flex; align-items: center; justify-content: center; margin: 5px;">$\frac{3}{20}$</div>
<div style="border: 1px solid black; border-radius: 50%; width: 80px; height: 80px; display: flex; align-items: center; justify-content: center; margin: 5px;">15%</div>	<div style="border: 1px solid black; width: 80px; height: 80px; display: flex; align-items: center; justify-content: center; margin: 5px;">30%</div>
<div style="border: 1px solid black; border-radius: 50%; width: 80px; height: 80px; display: flex; align-items: center; justify-content: center; margin: 5px;">$\frac{1}{5}$</div>	<div style="border: 1px solid black; width: 80px; height: 80px; display: flex; align-items: center; justify-content: center; margin: 5px;">$\frac{3}{4}$</div>

(3 marks)



- 7 a** There are 1820 students in a school. 45% of them are in Key Stage 3.
How many are in Key Stage 3?

_____ (1 mark)

- b** A book costs £18. In a sale there is 20% off all books.
How much does the book cost in the sale?

_____ (1 mark)