




Countdown to your final Maths exam ...

Foundation Tier only ... Part 7 (2020)

	Marks	Actual	  
Q1. Fractions / Decimals / Percentages	4		
Q2. Place value / Decimals / Fractions / Percentages	3		
Q3. Equivalent Fractions / Decimals / Percentages	8		
Q4. Fractions / Percentages	4		
Q5. Fractions / Decimals	3		
Q6. Equivalent Fractions / Decimals / Percentages	5		
Q7. Percentages / Fractions	3		
Q8. Fraction of an amount	2		

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NON-CALCULATOR UNLESS INDICATED



Questions

Q1. (a) Write $\frac{23}{100}$ as a decimal.

(1)

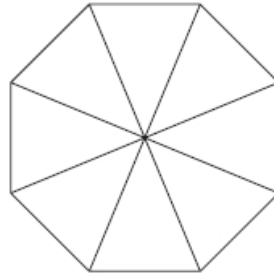
(b) Write 0.7 as a percentage.

(1)

(c) Write $\frac{1}{5}$ as a decimal.

(1)

(d) Shade 75% of this diagram.



(1)

21% of the people on a train are asleep.

(e) What percentage of the people on the train are not asleep?

(1)

Q2. Here are five decimal numbers. 0.16 0.06 0.007 0.41 0.032

(a) Write 0.41 as a fraction.

(1)

(b) Write 0.16 as a percentage.

(1)

(c) Write down the smallest of the five numbers.

(1)

Q3. (a) Find a fraction which is equivalent to $\frac{3}{5}$

(1)

(b) Write $\frac{3}{5}$ as a decimal.

(1)

(c) Write $\frac{3}{5}$ as a percentage.

(1)

(d) Mathsville School has 875 students. $\frac{3}{5}$ of the students are girls.

(i) Work out $\frac{3}{5}$ of 875

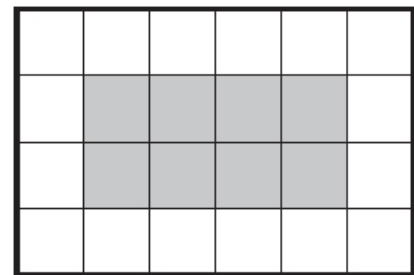
(ii) Work out the fraction of the students who are boys.

8% of the students were born in May.

(iii) Work out 8% of 875

Q4. Rectangle **A** is made from centimetre squares.

(a) What fraction of rectangle **A** is shaded?

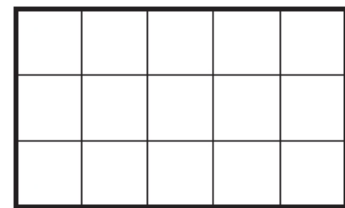


(1)

rectangle A

Rectangle **B** is made from centimetre squares.

(b) Shade 20% of rectangle **B**.

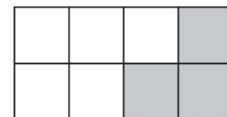


rectangle B

(c) Work out 30% of 185

Q5. Here is a shape made of squares.

(a) Write down the fraction of the shape that is shaded.

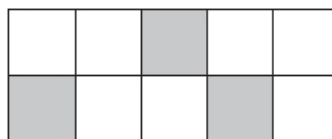


$\frac{2}{5}$ of the people in a room are female.

(b) What fraction of the people in the room are male?

(c) Write $\frac{2}{5}$ as a decimal.

Q6. (a) (i) What fraction of this shape is shaded?



(ii) Write your fraction as a decimal.

(5)

(1)

(2)

(1)

(1)

(1)

(2)

(b) Find a fraction that is equivalent to $\frac{2}{7}$

(1)

(c) Write 65% as a decimal.

(1)

72% of a shape is coloured red. The rest of the shape is coloured blue.

(d) What percentage of the shape is coloured blue?

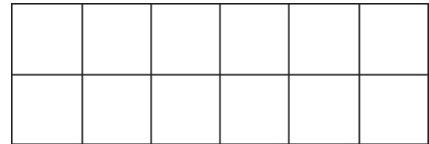
Q7. (a) Work out 10% of 180

(1)

(b) Work out $\frac{1}{4}$ of 160 yuan.

(1)

(c) Shade $\frac{5}{6}$ of this shape.



(1)

Q8. In a survey of 120 cars, $\frac{3}{8}$ of the cars were red. Work out $\frac{3}{8}$ of 120

(2)