Quick paper C7

Paper 2 style · Calculator · Foundation

18 marks
about 15–20 minutes

Name	Date	Score / 18

Answer ALL questions. Write your answers in the spaces provided. You must write down all the stages in your working. You may use a calculator. Diagrams are **NOT** accurately drawn unless it says so.

Help on the longer questions

Underlined words tell you what the question wants.

Remember reminds you of a fact you need.

1 **Write down** the value of the 7 in the number 361.72

.....

(1)

(Total for Question 1 is 1 mark)

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2 **Write down** a square number that is also an even number.

.....

(1)

(Total for Question 2 is 1 mark)

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3 **(a)** **Change** 3850 g into kg.

..... kg

(1)

(b) **Change** 4.6 m into mm.

..... mm

(1)

(Total for Question 3 is 2 marks)

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4 **Work out** the cube root of 125

.....

(1)

(Total for Question 4 is 1 mark)

Turn over ►

5 **Write** 0.47 as a fraction.

.....

(1)

(Total for Question 5 is 1 mark)

6 Here are four fractions.

$$\frac{2}{3} \quad \frac{5}{8} \quad \frac{13}{20} \quad \frac{7}{10}$$

Write the fractions in order of size.
Start with the smallest fraction.

.....

(2)

(Total for Question 6 is 2 marks)

7 **(a)** **Simplify** $5k - k - k + 2k$

.....

(1)

(b) **Simplify** $3 \times a \times b \times 5$

.....

(1)

(Total for Question 7 is 2 marks)

8 A map has a scale of 1 cm to 12 km.
On the map, the distance between Leeds and Bristol is 23.5 cm.
What is the real distance, in km, between Leeds and Bristol?

..... km

(2)

(Total for Question 8 is 2 marks)

9 Here is a number machine.



> **Remember** Go forwards through the machine for the output. To find the input, work backwards using the inverse (× becomes ÷).

(a) **Work out** the **output** when the input is 7

.....

(1)

(b) **Work out** the **input** when the output is 37

.....

(2)

(Total for Question 9 is 3 marks)

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10 Sam gets a bonus of 35% of £60
Tia gets a bonus of £18
Work out the difference between the bonus Sam gets and the bonus Tia gets.

> **Remember** Fraction of an amount: ÷ by the bottom, × by the top. Percentage: 10% = ÷ 10, 1% = ÷ 100, or use a multiplier (35% = 0.35).

£ .....

(3)

(Total for Question 10 is 3 marks)

TOTAL FOR PAPER IS 18 MARKS

C7 mark scheme

Q		Answer	Mark	Notes
1		$\frac{7}{10}$ or 0.7 or 7 tenths	B1	
2		e.g. 4, 16 or 36	B1	
3	(a)	3.85	B1	
	(b)	4600	B1	
4		5	B1	
5		$\frac{47}{100}$	B1	
6		$\frac{5}{8}, \frac{13}{20}, \frac{2}{3}, \frac{7}{10}$	M1 A1	M1 for converting to decimals or a common denominator A1 cao
7	(a)	$5k$	B1	
	(b)	$15ab$	B1	
8		282	M1 A1	M1 for 23.5 × 12 A1 cao
9	(a)	25	B1	
	(b)	10	M1 A1	M1 for (37 + 3) ÷ 4 A1 cao
10		3	M1 A1 A1	M1 for 10% = 6 or 0.35 × 60 A1 for 21 A1 for 3

B1 = mark for a correct answer · **M1** = method mark · **A1** = accurate answer after M1 · **C1** = reason · **cao** = correct answer only

Score ____ / 18

Write your score on the front page