Quick paper C6

Paper 3 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** $\frac{7}{10}$ as a decimal.

.....

(1)

(Total for Question 1 is 1 mark)

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2 **Write** 0.45 as a percentage.

..... %

(1)

(Total for Question 2 is 1 mark)

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3 **Write** the number 4762 **correct to the nearest hundred**.

.....

(1)

(Total for Question 3 is 1 mark)

Turn over ►

4 Here are the first 4 terms of a sequence.

5 11 17 23

> **Remember** Find the difference between terms. nth term = difference × n + (first term − difference).

(a) **Write down** the next term in the sequence.

.....

(1)

(b) **Explain** how you got your answer.

(1)

(c) **Work out** the 10th term of the sequence.

.....

(1)

(Total for Question 4 is 3 marks)

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5 Here are four digits.

5 2 8 6

(a) Use three of these digits to write down the largest possible 3-digit number.

.....

(1)

(b) Here are four different digits.

3 7 1 4

Put one of these digits in each box to give the smallest possible answer to the sum.
You must use each digit only once.

□□ + □□

(1)

(Total for Question 5 is 2 marks)

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6 **Write down** all the factors of 24

.....

(2)

(Total for Question 6 is 2 marks)

7 Ali has three times as many stickers as Ben.
Ben has twice as many stickers as Cat.
Cat has 5 stickers.
How many stickers does Ali have?

.....

(2)

(Total for Question 7 is 2 marks)

8

> **Remember** Use brackets for the top and the bottom of a fraction. Write down every digit on the display.

(a) **Find** the value of $\sqrt{(2.25 \times 1.96)}$

.....

(1)

(b) **Find** the value of $(4.27 - 1.07)^2 - 3.24$

.....

(2)

(Total for Question 8 is 3 marks)

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9 Nina works in a shop.
The table gives her rates of pay.

Day	Rate of pay
Monday to Friday	£9.20 per hour
Weekend	£12.40 per hour

Nina worked for a total of 22 hours last week.
She worked 6 of these 22 hours at the weekend.
Show that Nina was paid less than £230 last week.

> **Remember** Write down each cost or amount as you work it out, then add them up. Write money with 2 decimal places (£4.50). 100p = £1.

(3)

(Total for Question 9 is 3 marks)

TOTAL FOR PAPER IS 18 MARKS

C6 mark scheme

Q		Answer	Mark	Notes
1		0.7	B1	
2		45	B1	
3		4800	B1	
4	(a)	29	B1	
	(b)	Add 6 to the previous term	C1	C1
	(c)	59	B1	
5	(a)	865	B1	
	(b)	e.g. 14 + 37 (= 51)	B1	
6		1, 2, 3, 4, 6, 8, 12, 24	B2	B2 (B1 for at least 5 correct and none wrong)
7		30	M1 A1	M1 for 5 × 2 (= 10) A1 cao
8	(a)	2.1	B1	
	(b)	7	M1 A1	M1 for 3.2^2 or 10.24 A1 cao
9		16 × 9.20 + 6 × 12.40 = 147.20 + 74.40 = £221.60, which is less than £230	M1 M1 C1	M1 for 16 × 9.20 (= 147.20) or 6 × 12.40 (= 74.40) M1 for adding C1 221.60 and a conclusion

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