Quick paper C4

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** 6482 **correct to the nearest 1000**

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(1)

(Total for Question 1 is 1 mark)

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2 **Simplify** $4p + p - 3p$

.....

(1)

(Total for Question 2 is 1 mark)

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3 **Write down** all the factors of 20

.....

(2)

(Total for Question 3 is 2 marks)

Turn over ►

4 The table gives information about the prices of theatre tickets.

Theatre ticket	Price
adult ticket	£9.40
child ticket	£6.20
family ticket (2 adults and 2 children)	£28.50

Mr and Mrs Shah and their 2 children go to the theatre.
It is cheaper for them to buy 1 family ticket rather than 4 separate tickets.

> **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.

(a) How much cheaper?

£ .....

(3)

(b) The play starts at 7.35 pm.
The play lasts 115 minutes.
What time does the play finish?

.....

(2)

(Total for Question 4 is 5 marks)

5 Jo has a large bottle of shampoo.
There are 3 litres of shampoo in the large bottle.
Jo also has some empty small bottles.
Each small bottle can be completely filled with 175 ml of shampoo.
How many small bottles can be completely filled with shampoo from the large bottle?

> **Remember** 1 kg = 1000 g. 1 litre = 1000 ml. 1 m = 100 cm. 1 cm = 10 mm. 1 km = 1000 m.

.....

(3)

(Total for Question 5 is 3 marks)

6 Ravi writes down two different prime numbers.
He adds together his two numbers.
His answer is a square number between 20 and 40
Find two prime numbers that Ravi could have written down.

(2)

(Total for Question 6 is 2 marks)

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7 Kim thinks of a number.
$\frac{3}{4}$ of Kim's number is 60
Work out $\frac{3}{5}$ of Kim's number.

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(2)

(Total for Question 7 is 2 marks)

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8 2.5 kg of pears cost £4.50
Work out the cost of 4.5 kg of pears.

£ .....

(2)

(Total for Question 8 is 2 marks)

TOTAL FOR PAPER IS 18 MARKS

C4 mark scheme

Q		Answer	Mark	Notes
1		6000	B1	
2		$2p$	B1	
3		1, 2, 4, 5, 10, 20	B2	B2 (B1 for at least 4 correct and none wrong)
4	(a)	2.70	M1 M1 A1	M1 for $2 \times 9.40 + 2 \times 6.20$ (= 31.20) M1 for $31.20 - 28.50$ A1 cao
	(b)	9.30 pm	M1 A1	M1 for 115 min = 1 h 55 min A1 cao
5		17	M1 M1 A1	M1 for 3 litres = 3000 ml M1 for $3000 \div 175$ (= 17.1…) A1 for 17
6		e.g. 2 and 23 (= 25) or 7 and 29 (= 36) or 5 and 31	M1 A1	M1 for 25 or 36 identified A1 for two correct primes
7		48	M1 A1	M1 for $60 \div 3 \times 4$ (= 80) A1 cao
8		8.10	M1 A1	M1 for $4.50 \div 2.5$ (= 1.80) A1 cao

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