Quick paper C5

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** $\frac{7}{20}$ as a percentage.

..... %

(1)

(Total for Question 1 is 1 mark)

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2 **Write** 2.86 **correct to 1 decimal place**.

.....

(1)

(Total for Question 2 is 1 mark)

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3 **Work out** the value of 2^5

.....

(1)

(Total for Question 3 is 1 mark)

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4 **Write down** a 6 digit number that has 7 as its ten thousands digit.
You can only use the digit 7 once.

.....

(1)

(Total for Question 4 is 1 mark)

5

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

(a) **Change** 48 cm to mm.

..... mm

(1)

(b) **Change** 5300 millilitres to litres.

..... litres

(1)

(c) **Change** 0.65 kilograms to grams.

..... grams

(1)

(Total for Question 5 is 3 marks)

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6 Mia is thinking of a number.
She says,

"My number is odd. It is a factor of 30 and a multiple of 5"

There are two possible numbers Mia can be thinking of.
Write down these two numbers.

> **Remember** Factors divide into a number. Multiples are in its times table. A prime has exactly two factors.

(3)

(Total for Question 6 is 3 marks)

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7 Omar buys 24 pens, 24 pencils, 24 rulers and 24 pencil cases.

Price list

pens	8 for 96p
pencils	12 for 30p
rulers	6 for 90p
pencil cases	45p each

What is the total amount of money Omar spends?

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.

£ .....

(5)

(Total for Question 7 is 5 marks)

8

Remember Factors divide into a number. Multiples are in its times table. A prime has exactly two factors.

(a) **Write down** all the prime numbers between 30 and 50

.....

(2)

(b) Leo says,

"All prime numbers are odd."

Is Leo right?

You must give a reason for your answer.

(1)

(Total for Question 8 is 3 marks)

TOTAL FOR PAPER IS 18 MARKS

C5 mark scheme

Q		Answer	Mark	Notes
1		35	B1	
2		2.9	B1	
3		32	B1	
4		e.g. 172 345	B1	
5	(a)	480	B1	
	(b)	5.3	B1	
	(c)	650	B1	
6		5 and 15	M1 M1 A1	M1 for listing factors of 30 M1 for identifying odd multiples of 5 A1 for 5 and 15
7		17.88	M1 M1 M1 M1 A1	M1 for 3 × 96 (= 288p) M1 for 2 × 30 (= 60p) M1 for 4 × 90 (= 360p) M1 for 24 × 45 (= 1080p) and adding A1 for £17.88
8	(a)	31, 37, 41, 43, 47	B2	B2 (B1 for 4 correct and none wrong)
	(b)	No: 2 is a prime number and it is even	C1	C1

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