Quick paper C9

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** 0.35 as a fraction.

.....

(1)

(Total for Question 1 is 1 mark)

---

2 **Write** the following numbers in order of size.
Start with the smallest number.

5 −2 0 −6 3

.....

(1)

(Total for Question 2 is 1 mark)

---

3 **Write down** two factors of 21

.....

(1)

(Total for Question 3 is 1 mark)

---

4 **Change** 2384 grams to kilograms.

..... kg

(1)

(Total for Question 4 is 1 mark)

---

5 **Write** the number three million in figures.

.....

(1)

(Total for Question 5 is 1 mark)

Turn over ►

6 Kim goes into a café and buys 2 cups of tea and a sandwich.
Each cup of tea costs £2.85
The sandwich costs £2.60
Kim pays with a £10 note.
She thinks she will get more than £2 in change.
Is Kim correct?
You must show how you get your answer.

> **Remember** Change = money paid − total cost. Add up all the costs first.

(3)

(Total for Question 6 is 3 marks)

---

7 There are c cars in a car park.
There are 4 wheels on each car.
Write an expression, **in terms of c**, for the total number of wheels on the cars.

.....

(1)

(Total for Question 7 is 1 mark)

8

> **Remember** Collect like terms: the same letter (and power) together. Watch the sign in front of each term.

(a) **Simplify** $p \times q \times 5$

.....

(1)

(b) **Simplify** $m \times m$

.....

(1)

(c) **Simplify fully** $\dfrac{a \times a \times b \times b}{a \times b \times b}$

.....

(2)

(Total for Question 8 is 4 marks)

---

9 Here are three symbols.

<	>	=

Write one of these symbols in each box to make four true statements.

17 ☐ 12

5 + 8 ☐ 31 − 18

3^2 ☐ 3 × 2

−4 ☐ −1

(2)

(Total for Question 9 is 2 marks)

10 Here is part of a train timetable.

Derby	07 18	07 33	07 47
Leicester	07 52	08 01	08 26

Mo gets to the station in Derby at 07 09

Remember 60 minutes = 1 hour. Count on in steps to the next hour. Read across the row for one bus or train.

(a) **Work out** how many minutes he has to wait until 07 18

..... minutes

(1)

(b) **Work out** how long it will take the 07 47 train to get to Leicester.

.....

(2)

(Total for Question 10 is 3 marks)

TOTAL FOR PAPER IS 18 MARKS

C9 mark scheme

Q		Answer	Mark	Notes
1		$\frac{35}{100}$ or $\frac{7}{20}$	B1	
2		−6, −2, 0, 3, 5	B1	
3		Any two of 1, 3, 7, 21	B1	
4		2.384	B1	
5		3 000 000	B1	
6		No: her change is £1.70	M1 M1 C1	M1 for 2 × 2.85 + 2.60 (= 8.30) M1 for 10 − 8.30 C1 No with 1.70
7		$4c$	B1	
8	(a)	$5pq$	B1	
	(b)	m^2	B1	
	(c)	a	B2	B2 (B1 for a partly simplified answer)
9		>, =, >, <	B2	B2 all correct (B1 for 2 or 3 correct)
10	(a)	9	B1	
	(b)	39 minutes	M1 A1	M1 for 07 47 to 08 26 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