Quick paper C10

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** 3651 to the nearest hundred.

.....

(1)

(Total for Question 1 is 1 mark)

---

2 **Write down** a multiple of 9 that is between 50 and 60

.....

(1)

(Total for Question 2 is 1 mark)

---

3 **Change** 2.4 kilometres to metres.

..... metres

(1)

(Total for Question 3 is 1 mark)

---

4 Here is a list of numbers.

4 8 10 12 16 20 32 40

From the list, write down all the numbers that are powers of 2

.....

(1)

(Total for Question 4 is 1 mark)

---

5 **Write** 23% as a fraction.

.....

(1)

(Total for Question 5 is 1 mark)

Turn over ►

6 **Work out** 30% of 60

.....

(2)

(Total for Question 6 is 2 marks)

7 There are four types of counter in a bag.
The table shows the number of each type of counter in the bag.

Type of counter	red circle	blue circle	red square	blue square
Number of counters	12	18	5	11

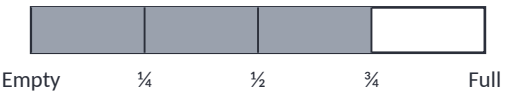
There are more blue counters than red counters.
How many more?

.....

(2)

(Total for Question 7 is 2 marks)

8 Here is the gauge for the fuel tank of a car.



The fuel tank holds 60 litres of fuel when the tank is full.
The tank is $\frac{3}{4}$ full of fuel.
Work out how many more litres of fuel are needed to fill the tank.

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

..... litres

(3)

(Total for Question 8 is 3 marks)

9 **Simplify** $5a + 3b + 2a - 4b$

.....

(2)

(Total for Question 9 is 2 marks)

---

10 Ana has 400 beads in a box.

She gives

45 of the beads to Ben

75 of the beads to Cat

80 of the beads to Dan

What fraction of the 400 beads is left in Ana's box?

Give your fraction **in its simplest form**.

> **Remember** Add/subtract: make the denominators the same. Multiply: top × top, bottom × bottom. Divide: flip the second fraction and multiply. Change mixed numbers to top-heavy first.

.....

(3)

(Total for Question 10 is 3 marks)

---

11 Ali, Bea and Cal share an amount of money in the ratio 3 : 7 : 10

What fraction of the money does Cal get?

.....

(1)

(Total for Question 11 is 1 mark)

TOTAL FOR PAPER IS 18 MARKS

C10 mark scheme

Q	Answer	Mark	Notes
1	3700	B1	
2	54	B1	
3	2400	B1	
4	4, 8, 16, 32	B1	
5	$\frac{23}{100}$	B1	
6	18	M1 A1	M1 for 10% = 6 or 0.3 × 60 A1 cao
7	12	M1 A1	M1 for 29 − 17 A1 cao
8	15	M1 M1 A1	M1 for $\frac{1}{4}$ or 60 × $\frac{3}{4}$ (= 45) M1 for 60 ÷ 4 or 60 − 45 A1 cao
9	$7a - b$	B2	B2 (B1 for one term correct)
10	$\frac{1}{2}$	M1 M1 A1	M1 for 400 − 45 − 75 − 80 (= 200) M1 for $\frac{200}{400}$ A1 cao
11	$\frac{1}{2}$	B1	

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