Quick paper C11

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** these numbers in order of size.
Start with the smallest number.

5 −6 2 −9 −1

.....

(1)

(Total for Question 1 is 1 mark)

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2 **Write** the number 6519 **correct to the nearest thousand**.

.....

(1)

(Total for Question 2 is 1 mark)

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3 **Write** 0.37 as a percentage.

..... %

(1)

(Total for Question 3 is 1 mark)

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4 **Find** the value of $\sqrt{21.16}$

.....

(1)

(Total for Question 4 is 1 mark)

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5 **Find** the value of 4^5

.....

(1)

(Total for Question 5 is 1 mark)

Turn over ►

6 There are 16 rows of seats in a theatre.
There are 18 seats in each row.
A play was shown in the theatre on Friday.
Each ticket for the play cost £7.80
The tickets that were sold cost a total of £1716
How many tickets were **not** sold?

> **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 6 is 3 marks)

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7 Ben has 24 pencils.
He gives 9 of the pencils to Amy.
What fraction of the 24 pencils does Ben have now?

.....

(2)

(Total for Question 7 is 2 marks)

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8 Here is a number machine.



(a) **Work out** the output when the input is 6

.....

(1)

(b) Here is a different number machine.



When the input is 21, the output is 23
Complete the number machine.

(1)

(Total for Question 8 is 2 marks)

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9 Here is a list of numbers.

7 3 9 5 3 8

> **Remember** Mean = total ÷ how many. Median = middle value when in order. Mode = most common. Range = biggest − smallest.

(a) **Work out** the median.

.....

(2)

(b) Kim picks at random one of the numbers.
What is the probability that she picks an odd number?

.....

(2)

(Total for Question 9 is 4 marks)

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10 **Find** the number that is exactly halfway between $\frac{1}{4}$ and $\frac{3}{5}$

.....

(2)

(Total for Question 10 is 2 marks)

TOTAL FOR PAPER IS 18 MARKS

C11 mark scheme

Q		Answer	Mark	Notes
1		−9, −6, −1, 2, 5	B1	
2		7000	B1	
3		37	B1	
4		4.6	B1	
5		1024	B1	
6		68	M1 M1 A1	M1 for 16 × 18 (= 288) M1 for 1716 ÷ 7.80 (= 220) A1 cao
7		$\frac{5}{8}$	M1 A1	M1 for $\frac{15}{24}$ A1 oe
8	(a)	38	B1	
	(b)	− 7	B1	
9	(a)	6	M1 A1	M1 for ordering the numbers A1 cao
	(b)	$\frac{5}{6}$	M1 A1	M1 for 5 odd numbers A1 for $\frac{5}{6}$ oe
10		$\frac{17}{40}$ or 0.425	M1 A1	M1 for 0.25 and 0.6 or a common denominator A1 oe

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