Quick paper N7

Paper 1 style · Non-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 must **not** 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** the following numbers in order of size.
Start with the smallest number.

0.57 0.5 0.507 0.75

.....

(1)

(Total for Question 1 is 1 mark)

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2 **Write** 8.509 **correct to the nearest whole number**.

.....

(1)

(Total for Question 2 is 1 mark)

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3 **Write** $\frac{2}{5}$ as a decimal.

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(1)

(Total for Question 3 is 1 mark)

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4 **Write down** the value of the 3 in the number 4326

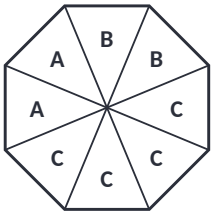
.....

(1)

(Total for Question 4 is 1 mark)

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5 Amy spins a fair 8-sided spinner.

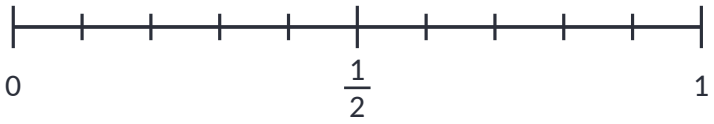


(a) On the probability scale, mark with a cross (×) the probability that the spinner will land on C.



(1)

(b) On the probability scale, mark with a cross (×) the probability that the spinner will land on D.



(1)

(Total for Question 5 is 2 marks)

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6 The pictogram shows information about the number of apples sold from a farm shop on Monday.
Each full circle represents 8 apples.

Monday	●●◗
Tuesday	
Wednesday	

Key: ● represents 8 apples

On Tuesday the shop sold 12 apples.

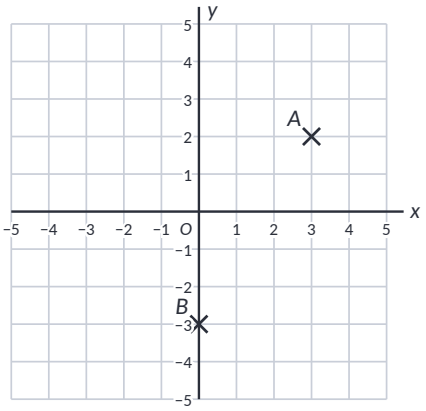
On Wednesday the shop sold 30 apples.

Use this information to complete the pictogram.

(2)

(Total for Question 6 is 2 marks)

7



Remember (x, y): go along first, then up. Midpoint: add the x values and halve, add the y values and halve.

(a) **Write down** the coordinates of the point *A*.

(1)

(b) **Write down** the coordinates of the point *B*.

(1)

(c) On the grid, mark with a cross (×) the point (−4, 1)
Label this point *C*.

(1)

(Total for Question 7 is 3 marks)

8 A bag contains green counters and yellow counters only.

number of green counters : number of yellow counters = 5 : 2

Remember Add the ratio parts to find the total number of parts. One part = amount ÷ total parts. Then multiply.

(a) **Write down** the fraction of the counters that are green.

.....

(1)

(b) **Write** the ratio 15 : 40 in the form 1 : *n*

.....

(2)

(Total for Question 8 is 3 marks)

9 Sam has 20 cakes.

$\frac{1}{5}$ of these 20 cakes are large.

The rest of these 20 cakes are small.

Each large cake has a weight of 90 grams.

Each small cake has a weight of 40 grams.

Work out the total weight of the 20 cakes.

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

..... grams

(4)

(Total for Question 9 is 4 marks)

TOTAL FOR PAPER IS 18 MARKS

N7 mark scheme

Q		Answer	Mark	Notes
1		0.5, 0.507, 0.57, 0.75	B1	
2		9	B1	
3		0.4	B1	
4		300	B1	
5	(a)	Cross at $\frac{1}{2}$	B1	
	(b)	Cross at 0	B1	
6		Tuesday 1½ circles, Wednesday 3¾ circles	B1 B1	B1 for each
7	(a)	(3, 2)	B1	
	(b)	(0, −3)	B1	
	(c)	Cross at (−4, 1) labelled C	B1	
8	(a)	$\frac{5}{7}$	B1	
	(b)	1 : 2.67 (1 : 8/3)	M1 A1	M1 for 40 ÷ 15 A1 for 1 : 2.6… or 1 : 8/3
9		1000	M1 M1 M1 A1	M1 for $\frac{1}{5}$ × 20 (= 4) M1 for 4 × 90 (= 360) M1 for 16 × 40 (= 640) 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