Quick paper N3

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** 8471 **correct to the nearest thousand**.

.....

(1)

(Total for Question 1 is 1 mark)

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

−4 7 −9 0 3

.....

(1)

(b) **Write** the following numbers in order of size.
Start with the smallest number.

0.45 0.054 0.405 0.5

.....

(1)

(Total for Question 2 is 2 marks)

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3 **Write** 30% as a fraction.

.....

(1)

(Total for Question 3 is 1 mark)

Turn over ►

4 Here is a list of four fractions.

$$\frac{6}{18} \quad \frac{3}{9} \quad \frac{20}{60} \quad \frac{4}{15}$$

One of these fractions is **not** equivalent to $\frac{1}{3}$

Write down this fraction.

.....

(1)

(Total for Question 4 is 1 mark)

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5 **(a)** **Simplify** $5 \times 3k$

.....

(1)

(b) **Simplify** $9b - 4b + 3b$

.....

(1)

(Total for Question 5 is 2 marks)

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6 Here is a probability scale.
It shows the probability of each of the events P, Q, R and S.



Remember Probabilities add up to 1. P(event) = number of ways it can happen ÷ total number of outcomes. AND means multiply.

(a) **Write down** the letter of the event that is impossible.

.....

(1)

(b) **Write down** the letter of the event that is likely.

.....

(1)

(c) There are 15 counters in a bag.
4 of the counters are red.
2 of the counters are blue.
6 of the counters are yellow.
The rest of the counters are green.
Ali takes at random a counter from the bag.
Show that the probability that this counter is yellow or green is $\frac{3}{5}$

(3)

(Total for Question 6 is 5 marks)

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7 4 kg of cheese costs £36
Leo buys 3 kg of the cheese.
Work out how much Leo pays.

£ .....

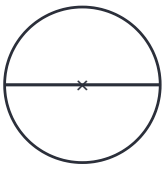
(2)

(Total for Question 7 is 2 marks)

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8 The centre of each circle is marked with a cross (×).

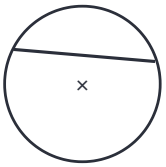
(a) **Write down** the mathematical name of the straight line shown in this circle.



.....

(1)

(b) **Write down** the mathematical name of the straight line shown in this circle.



.....

(1)

(Total for Question 8 is 2 marks)

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9 **Write down** an example to show that each of the following two statements is **not** correct.

(a) Multiples of 3 are always odd.

.....

(1)

(b) All square numbers are odd.

.....

(1)

(Total for Question 9 is 2 marks)

TOTAL FOR PAPER IS 18 MARKS

N3 mark scheme

Q		Answer	Mark	Notes
1		8000	B1	
2	(a)	−9, −4, 0, 3, 7	B1	
	(b)	0.054, 0.405, 0.45, 0.5	B1	
3		$\frac{3}{10}$	B1	
4		$\frac{4}{15}$	B1	
5	(a)	$15k$	B1	
	(b)	$8b$	B1	
6	(a)	P	B1	
	(b)	R	B1	
	(c)	Green = 3, so yellow or green = 9; $\frac{9}{15} = \frac{3}{5}$	M1 M1 A1	M1 for 15 − 4 − 2 − 6 (= 3) M1 for $\frac{9}{15}$ A1 for simplifying to $\frac{3}{5}$
7		27	M1 A1	M1 for 36 ÷ 4 (= 9) A1 cao
8	(a)	diameter	B1	
	(b)	chord	B1	
9	(a)	e.g. 6	B1	
	(b)	e.g. 4	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