Quick paper N4

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.

0.5 0.06 0.45 0.405 0.3

.....

(1)

(Total for Question 1 is 1 mark)

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2 **Write** 0.35 as a percentage.

..... %

(1)

(Total for Question 2 is 1 mark)

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3 Here is a list of numbers.

4 5 6 8 11 12 16

From the list, write down a factor of 18

.....

(1)

(Total for Question 3 is 1 mark)

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4 **Write** 4351 **to the nearest 1000**

.....

(1)

(Total for Question 4 is 1 mark)

5

> **Remember** BIDMAS: Brackets, Indices, Divide and Multiply, then Add and Subtract.

(a) **Work out** $4 \times 6 + 2$

.....

(1)

(b) **Work out** 3^3

.....

(1)

(c) **Write** brackets ( ) in this statement to make it correct.

$$5 \times 4 + 2 = 30$$

(1)

(Total for Question 5 is 3 marks)

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6 Ben has 3 dogs.

Each dog eats $\frac{1}{3}$ of a tin of dog food each day.

Ben buys 10 tins of dog food.

Has Ben bought enough dog food to feed his 3 dogs for 12 days?

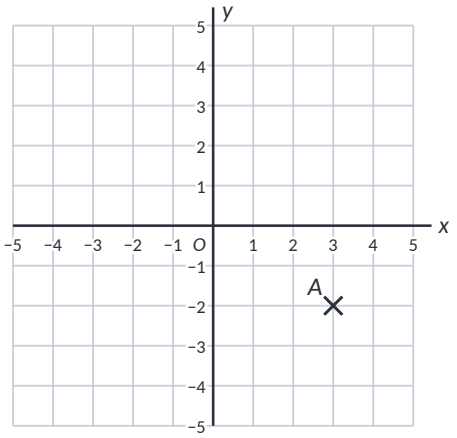
You must show how you get your answer.

> **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 6 is 3 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 point *A*.

(1)

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

(1)

(c) On the grid, draw the line with equation $y = 2$

(1)

(Total for Question 7 is 3 marks)

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8 $g = 7$
$h = 5$
Work out the value of $4g - 2h$

.....

(2)

(Total for Question 8 is 2 marks)

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9 Here are some fractions.

$$\frac{8}{12} \quad \frac{6}{9} \quad \frac{14}{21} \quad \frac{10}{16} \quad \frac{12}{18}$$

One of these fractions is **not** equivalent to $\frac{2}{3}$

> **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.

(a) Which fraction?

.....

(1)

(b) **Work out** $\frac{3}{10} + \frac{2}{5}$

.....

(2)

(Total for Question 9 is 3 marks)

TOTAL FOR PAPER IS 18 MARKS

N4 mark scheme

Q		Answer	Mark	Notes
1		0.06, 0.3, 0.405, 0.45, 0.5	B1	
2		35	B1	
3		6	B1	
4		4000	B1	
5	(a)	26	B1	
	(b)	27	B1	
	(c)	$5 \times (4 + 2) = 30$	B1	
6		No: he needs 12 tins (1 tin a day for 12 days)	M1 M1 C1	M1 for $3 \times \frac{1}{3}$ (= 1 tin a day) M1 for 1×12 (= 12 tins) C1 No with 12 compared with 10
7	(a)	(3, −2)	B1	
	(b)	Cross at (−4, 1) labelled B	B1	
	(c)	Horizontal line through $y = 2$	B1	
8		18	M1 A1	M1 for $4 \times 7 - 2 \times 5$ A1 cao
9	(a)	$\frac{10}{16}$	B1	
	(b)	$\frac{7}{10}$	M1 A1	M1 for $\frac{4}{10}$ 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