Quick paper C13

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** 0.29 as a fraction.

.....

(1)

(Total for Question 1 is 1 mark)

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2 **Write** 47 562 **correct to the nearest 1000**

.....

(1)

(Total for Question 2 is 1 mark)

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3 **Simplify** $5k - 2k + 3k$

.....

(1)

(Total for Question 3 is 1 mark)

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4 **Write** $\frac{3}{4}$ as a percentage.

..... %

(1)

(Total for Question 4 is 1 mark)

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5 Here is a list of numbers.

2 6 8 12 16 25 32

From the numbers in the list, write down a cube number.

.....

(1)

(Total for Question 5 is 1 mark)

Turn over ►

6 Maria is watching a film at the cinema.
The film started at 14 15
The film is 115 minutes long.
When the film ends, Maria takes 25 minutes to walk to the train station.
A train leaves the station at 16 30
Does Maria get to the station in time to get this train?
You must show all your working.

> **Remember** 60 minutes = 1 hour. Count on in steps to the next hour. Read across the row for one bus or train.

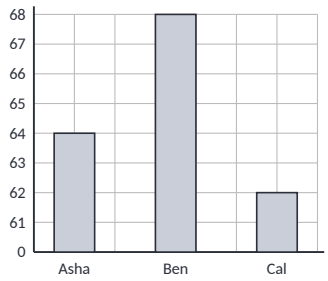
(3)

(Total for Question 6 is 3 marks)

7 Asha, Ben and Cal each did a test.
Here are their marks for the test.

Name	Mark
Asha	64
Ben	67
Cal	62

Ben drew this bar chart to show the marks they got.
The bar chart is **not** fully correct.



Write down two things that are wrong with Ben's bar chart.
1

2

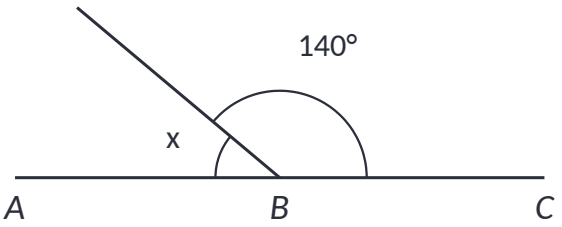
(2)

(Total for Question 7 is 2 marks)

8

Remember Straight line = 180°. Around a point = 360°. Triangle = 180°. Quadrilateral = 360°. Isosceles: two equal base angles. Write the reason for each angle.

(a) *ABC* is a straight line.



Work out the size of the angle marked *x*.

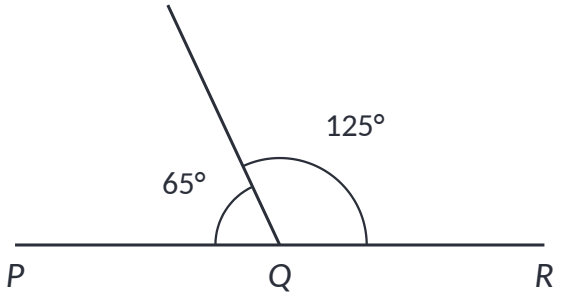
..... °

(1)

(b) **Give a reason for your answer**.

(1)

(c) *PQR* is a straight line. The diagram below is wrong.

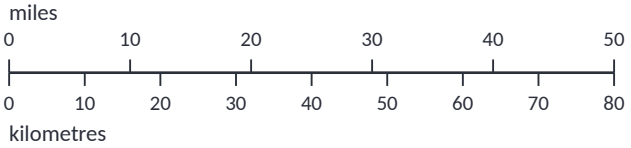


Explain why.

(1)

(Total for Question 8 is 3 marks)

9 This scale can be used to change between miles and kilometres.



Remember Go across from one axis to the line, then down (or across) to read the other value. For a big value, use a smaller one and multiply.

(a) Use the scale to change 40 miles to kilometres.

..... km

(1)

(b) Here is an approximate rule to change from miles to kilometres.

Multiply the distance in miles by 3 and then divide by 2

Use this approximate rule to change 40 miles to kilometres.

..... km

(2)

(c) **Compare** your answer to part (b) with your answer to part (a).

(1)

(Total for Question 9 is 4 marks)

10 **Solve** $4m = 52$

$m =$ .....

(1)

(Total for Question 10 is 1 mark)

TOTAL FOR PAPER IS 18 MARKS

C13 mark scheme

Q		Answer	Mark	Notes
1		$\frac{29}{100}$	B1	
2		48 000	B1	
3		$6k$	B1	
4		75	B1	
5		8	B1	
6		No: she arrives at 16 35	M1 M1 C1	M1 for 14 15 + 115 min (= 16 10) M1 for + 25 min (= 16 35) C1 No with 16 35
7		Any two of: scale jumps 0 to 61; Ben's bar is 68 not 67; no axis label	B1 B1	B1 for each
8	(a)	40	B1	
	(b)	Angles on a line add to 180°	C1	
	(c)	65 + 125 = 190, not 180	C1	
9	(a)	64 (accept 63 to 65)	B1	
	(b)	60	M1 A1	M1 for 40 × 3 ÷ 2 A1 cao
	(c)	The rule gives less (60 < 64)	C1	
10		13	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