

Please check the examination details below before entering your candidate information

Candidate surname	Other names
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Centre Number	Candidate Number
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Pearson Edexcel International Award in Primary

Time 1 hour

Paper
reference

JMA11/01

Mathematics

Year 6

Achievement Test

You must have:

Ruler graduated in centimetres and millimetres, pen, HB pencil, eraser, protractor, compasses. Tracing paper may be used.

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*



Information

- The total mark for this paper is 60
- The marks for **each** question are shown in brackets – *use this as a guide as to how much time to spend on each question.*
- Candidates may **NOT** use a calculator.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ►

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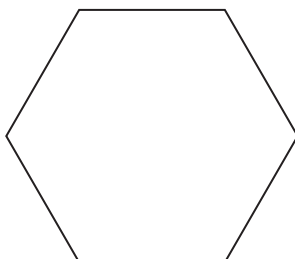
Pearson

SECTION A

Answer ALL questions. Write your answers in the spaces provided.

In Section A put a cross in one box to indicate your answer. If you change your mind, put a line through the box and then put a cross in another box .

1 What is the name of this shape?



Hexagon

Octagon

Quadrilateral

Pentagon

(Total for Question 1 is 1 mark)

2 Which word best describes this set of numbers?

7 13 25 39 43

Odd

Even

Square

Prime

(Total for Question 2 is 1 mark)

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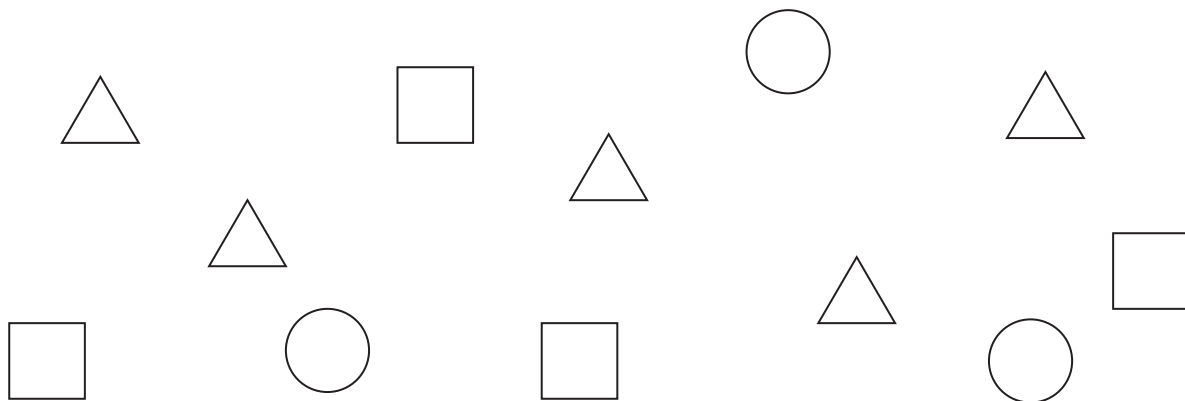
3 What is the range of these weights?

7 kg 6 kg 2 kg 12 kg 7 kg 5 kg

2 kg 7 kg 10 kg 12 kg

(Total for Question 3 is 1 mark)

4 What fraction of these shapes are triangles?



$\frac{1}{3}$ $\frac{5}{12}$ $\frac{7}{12}$ $\frac{5}{7}$

(Total for Question 4 is 1 mark)

5 What is the value of the 8 in this number?

7 8 2 4

8 80 800 8000

(Total for Question 5 is 1 mark)



6 Work out

$$12 - 6 \div 3$$

2

9

10

14

(Total for Question 6 is 1 mark)

7 Work out

$$30\% \text{ of } 120$$

12

25

36

40

(Total for Question 7 is 1 mark)

8 What is 68 481 rounded to the nearest thousand?

60 000

68 000

69 000

70 000

(Total for Question 8 is 1 mark)



9 Here is a sorting table.

	Odd	Even
Multiple of 3	A	B
Not a multiple of 3	C	D

Which cell would 16 be in?

- A B C D

(Total for Question 9 is 1 mark)

10 What is the area of this triangle?

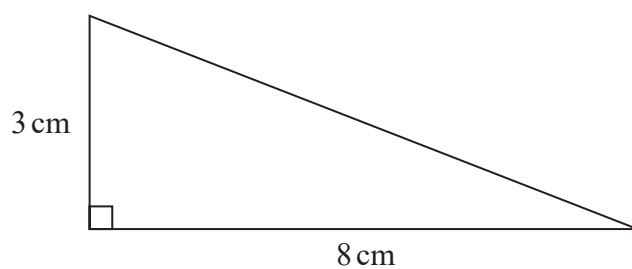


Diagram **NOT** accurately drawn

- 11 cm² 12 cm² 22 cm² 24 cm²

(Total for Question 10 is 1 mark)



11 The rule for this number sequence is

add 2 to the number then double

10 24 52 108

What is the missing number in this sequence?

3

4

6

22

(Total for Question 11 is 1 mark)

12 In a shop a pen costs \$1.39 and a pencil costs \$0.45

How much would it cost to buy one pen and two pencils?

\$1.84

\$2.29

\$3.23

\$3.68

(Total for Question 12 is 1 mark)



13 Which of these numbers is a multiple of both 3 and 8?

11



12



32

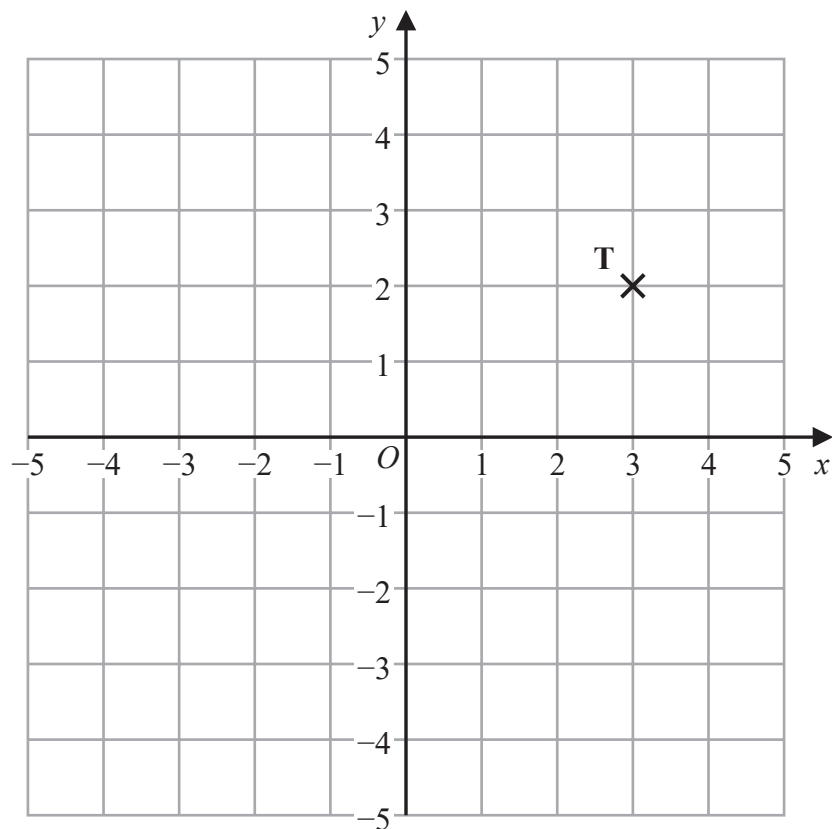


48



(Total for Question 13 is 1 mark)

14



Which one of these best describe point T?

$x = 3$



$(2, 3)$



$y = 2$



$(3, 2)$

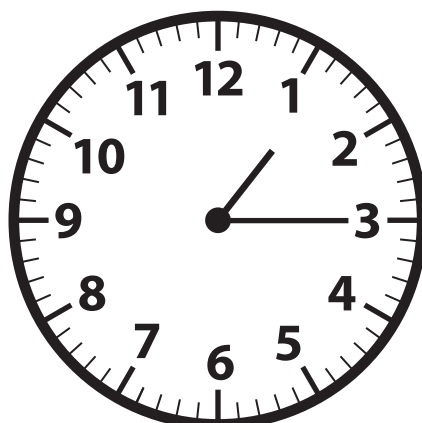


(Total for Question 14 is 1 mark)



15 On Monday afternoon Sanjay looked at the time on his classroom clock.

Here is what he saw.



How would the time on this clock be shown on a 24-hour digital clock?

01:15

03:05

13:15

15:05

(Total for Question 15 is 1 mark)

16 Simplify this expression.

$$3f + 2e - 2f + e$$

$f + e$

$3fe$

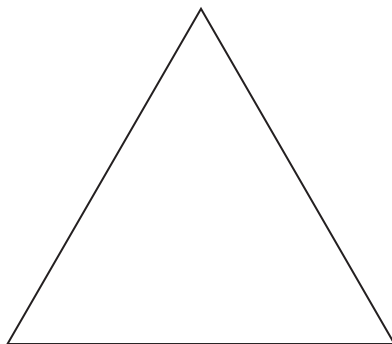
$f + 3e$

$5f + 3e$

(Total for Question 16 is 1 mark)



17 Here is an equilateral triangle.



How many lines of symmetry does it have?

1



3



180



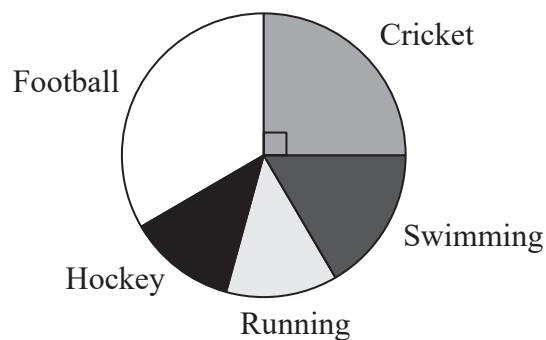
360



(Total for Question 17 is 1 mark)

18 120 children each choose a favourite sport.

The results are shown in the pie chart below.



How many children chose cricket?

24



30



60



90



(Total for Question 18 is 1 mark)

19 Work out

$$\frac{9}{14} - \frac{4}{7}$$

$$\frac{1}{14}$$

$$\frac{5}{14}$$

$$\frac{5}{7}$$

$$\frac{13}{14}$$

(Total for Question 19 is 1 mark)

20 Work out

45% of 160

16

24

64

72

(Total for Question 20 is 1 mark)

TOTAL FOR SECTION A IS 20 MARKS



SECTION B**Answer ALL questions.****21** Work out

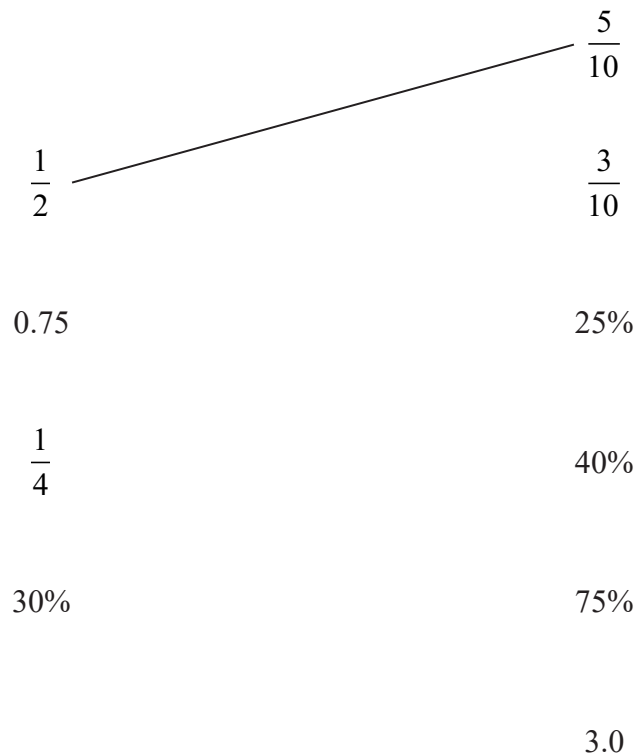
(a) $247 + 328$

.....
(1)

(b) $23471 - 1280$

.....
(1)**(Total for Question 21 is 2 marks)****22** Join the equivalent fractions, decimals and percentages.

One has been done for you.

**(Total for Question 22 is 2 marks)**

23 This tally chart shows the favourite colours of the students in Jai's class.

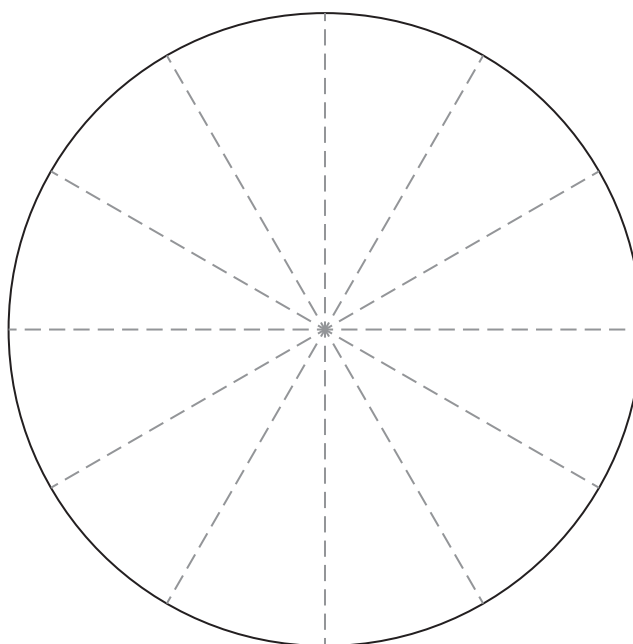
Colour	Tally	Total
Red		4
Yellow		
Green		3
Blue		6
Purple		

(a) Complete the tally chart.

(2)

(b) Use the information from the tally chart to complete this pie chart.

Favourite colours



(3)

(Total for Question 23 is 5 marks)



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24 Lenny has \$180

He shares it with his brother in the ratio 2 : 1

Lenny gets the most money.

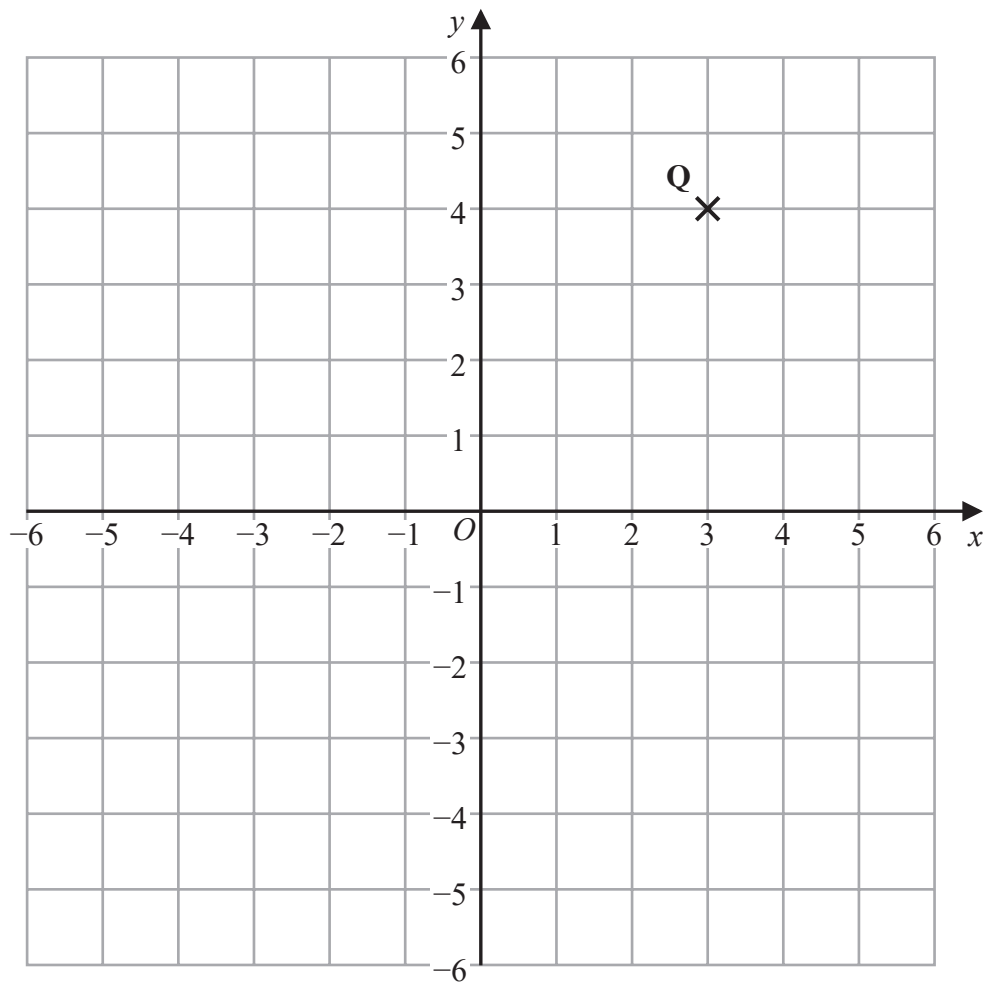
How much money does Lenny get?

\$

(Total for Question 24 is 2 marks)



25 Point Q has been plotted on this grid.



(a) Translate point Q by 2 squares right and 3 squares down.

What are its new coordinates?

(.....,)
(1)

(b) On the grid, plot point R with the coordinates $(-2, -5)$.

(1)

(Total for Question 25 is 2 marks)

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26 Here is a triangle inside a rectangle.

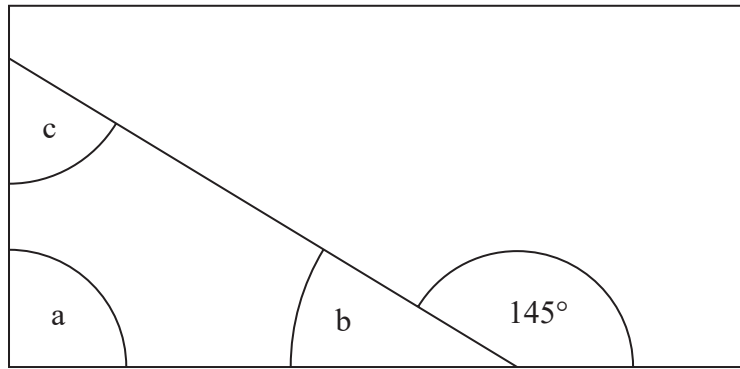


Diagram **NOT**
accurately drawn

Work out the size of each of the labelled angles.

$$a = \dots\dots\dots^\circ$$

(1)

$$b = \dots\dots\dots^\circ$$

(1)

$$c = \dots\dots\dots^\circ$$

(1)

(Total for Question 26 is 3 marks)

27 Calculate

$$2301 \times 27$$

You must show your working.

.....

(Total for Question 27 is 2 marks)



28 (a) Expand

$$5(3x + y)$$

.....
(1)

(b) Solve the equation

$$4x + 6 = 22$$

$x =$
(1)

(c) Find the value of the expression

$$3a - 4b + c$$

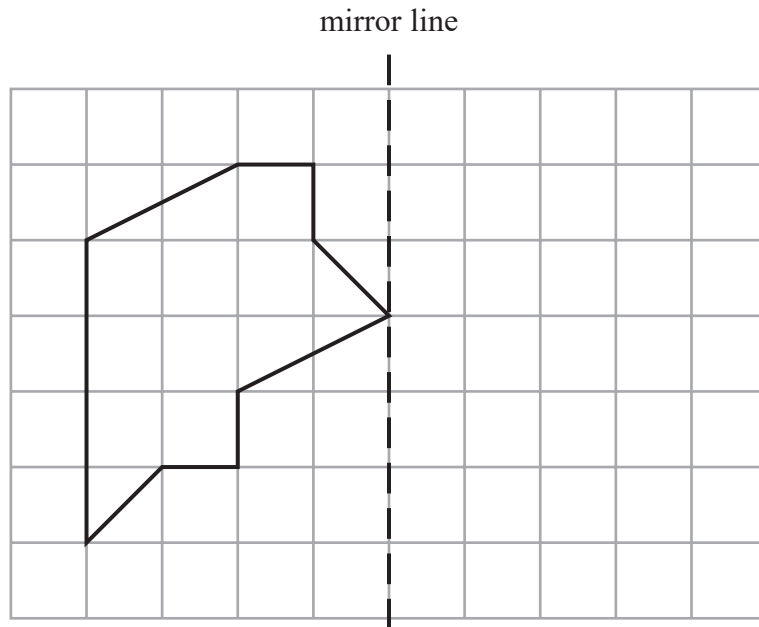
when $a = 5$, $b = 3$ and $c = 7$

.....
(2)

(Total for Question 28 is 4 marks)



29 (a) Reflect the shape on the grid in the mirror line.



(1)

(b) What is the volume of this cuboid?

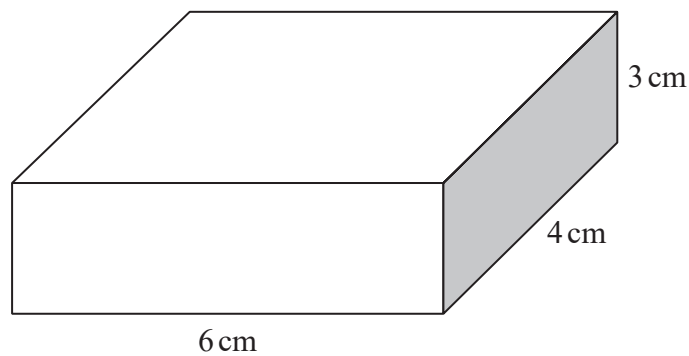


Diagram NOT accurately drawn

..... cm³

(2)

(Total for Question 29 is 3 marks)



30 Write these numbers in order of size.

Start with the smallest.

4.04

0.4

0.04

0.44

.....
smallest

(Total for Question 30 is 1 mark)

31 (a) Write this improper fraction as a mixed number fraction.

$$\frac{14}{3}$$

.....
(1)

(b) Write this mixed number fraction as an improper fraction.

$$2\frac{5}{8}$$

.....
(1)

(Total for Question 31 is 2 marks)



32 Saira's English group did a spelling test.

Here are their results.

13 9 10 13 12 7 13

(a) What is the median of these results?

.....
(1)

(b) What is the mean of these results?

.....
(1)

(Total for Question 32 is 2 marks)

33 Calculate

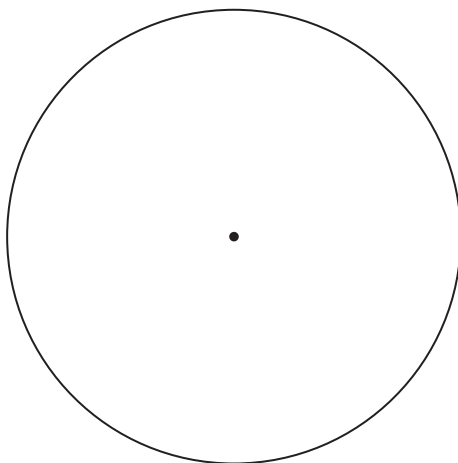
$$3168 \div 18$$

You must show your working.

.....
(Total for Question 33 is 2 marks)



34 Here is a circle with the centre marked.



(a) Draw and label the diameter on the circle.

(1)

(b) How long is the radius of this circle?

..... cm

(1)

(Total for Question 34 is 2 marks)

35 Melinda is 168.4 cm tall.

Her sister is 0.4 m shorter than she is.

Their brother is 75% of Melinda's height.

(a) How tall is Melinda's sister?

..... cm

(1)

(b) How tall is Melinda's brother?

..... cm

(2)

(Total for Question 35 is 3 marks)



36 Sadio needs to buy

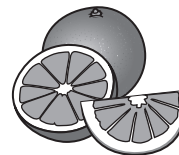
1 Pineapple
6 Strawberries
3 Oranges



Pineapple
\$3.25 each



Strawberries
\$0.45 each



Oranges
\$1.69 each

He has \$11

Does he have enough money to buy the fruit?
You must show your working.

(Total for Question 36 is 3 marks)

TOTAL FOR SECTION B IS 40 MARKS
TOTAL FOR PAPER IS 60 MARKS



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