
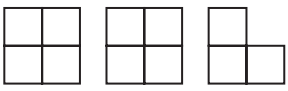
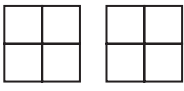
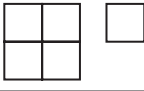


Answer ALL TWENTY SIX questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

- 1 The pictogram shows information about the number of ice creams Sandeep sold on each of four days last week.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

Key:



represents
20 ice creams

- (a) How many ice creams did Sandeep sell on Thursday?

.....
(1)

Sandeep sold 30 ice creams on Friday.

- (b) Complete the pictogram to show the number of ice creams Sandeep sold on Friday.

(1)

- (c) On which day was the least number of ice creams sold?

.....
(1)

- (d) Work out the total number of ice creams Sandeep sold last week.

.....
(2)

(Total for Question 1 is 5 marks)



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

2.12 2.19 2.07 2.1 2.001

.....
(1)

- (b) Write down the value of 6 in the number 54.623

.....
(1)

- (c) Write the number 3.4896 correct to 2 decimal places.

.....
(1)

- (d) Write 0.6 as a percentage.

.....%
(1)

(Total for Question 2 is 4 marks)

- 3 (a) Simplify $4x + 5x - 2x$

.....
(1)

- (b) Simplify $4p \times 7$

.....
(1)

(Total for Question 3 is 2 marks)



- 4 (a) Change 5.48 metres into centimetres.

..... cm
(1)

- (b) Change 4600 millilitres into litres.

..... litres
(1)

Here is an isosceles triangle ABC .

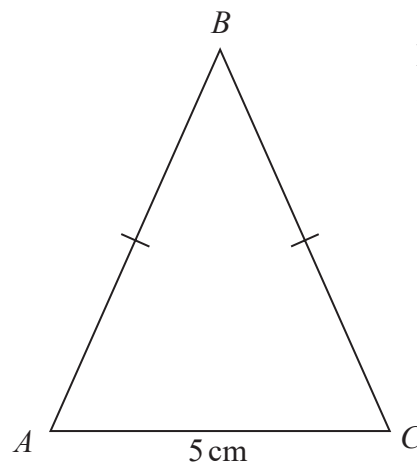


Diagram **NOT**
accurately drawn

$AC = 5$ cm.

The perimeter of the triangle is 32 cm.

- (c) Work out the length of AB .

..... cm
(2)

(Total for Question 4 is 4 marks)



5 Adisha plays basketball for her school.

Here is the number of points that she scored in each of nine games.

15 16 15 18 17 15 13 19 18

(a) Find the mode of the numbers of points that Adisha scored.

.....
(1)

(b) Work out the range of the numbers of points that Adisha scored.

.....
(2)

(Total for Question 5 is 3 marks)

6 Here are the first four terms of a number sequence.

4 8 12 16

(a) Write down the next term of the sequence.

.....
(1)

(b) Explain how you found your answer to part (a).

.....
(1)

(c) Find an expression, in terms of n , for the n th term of the sequence.

.....
(1)

(Total for Question 6 is 3 marks)



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

7 Carmel is working out the cost of using her mobile phone in March.

Here is the information that she uses.

Calls	465 minutes	(first 400 minutes free)
Texts	1740 messages	(first 1500 messages free)
<u>Costs</u>		
Monthly charge	\$20.75	
Calls	\$0.10 per minute	
Texts	\$0.05 each message	

Work out the total cost that Carmel has to pay for using her mobile phone in March.

\$.....

(Total for Question 7 is 4 marks)



8 Here is a rhombus.

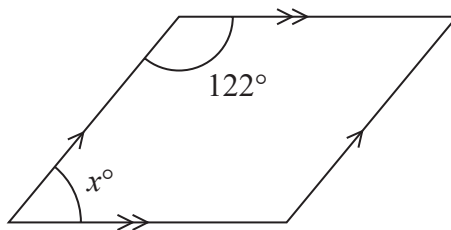


Diagram **NOT** accurately drawn

Work out the value of x .
Give a reason for your answer.

$x =$

(Total for Question 8 is 3 marks)

9 The diagram shows a cuboid.

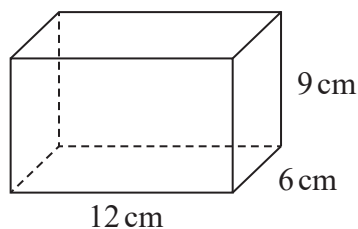


Diagram **NOT** accurately drawn

Work out the volume of the cuboid.

..... cm^3

(Total for Question 9 is 2 marks)



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

10 (a) Write 25 as a fraction of 145
Give your fraction in its simplest form.

.....
(2)

(b) Work out 9 as a percentage of 25

..... %
(2)

The cost of 16 sandwiches of the same type is 28 euros.

(c) Work out the cost of 27 of these sandwiches.

..... euros
(2)

(Total for Question 10 is 6 marks)



11 ABC is a triangle.

$$AB = 9 \text{ cm}, AC = 5 \text{ cm and } BC = 8 \text{ cm.}$$

Use ruler and compasses to construct triangle ABC with AB as its base.
You must show all construction lines.
The line AB has been drawn for you.

A ————— B

(Total for Question 11 is 2 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

