



1. Work out:

$$\begin{array}{r} 728 \\ + 321 \\ \hline \end{array}$$

Answer: \_\_\_\_\_

[1]

2. Work out:

$$\begin{array}{r} 857 \\ - 106 \\ \hline \end{array}$$

Answer: \_\_\_\_\_

[1]

3. How many sides does a
- hexagon**
- have?

Answer: \_\_\_\_\_ sides

[1]

4. Work out:

$$\begin{array}{r} 123 \\ \times 3 \\ \hline \end{array}$$

Answer: \_\_\_\_\_

[1]

5. Complete the table below. An example is given.

In words	In figures
<b>Example:</b> Five hundred and twenty three	523
(a) _____ _____	2130
(b) Seven hundred and forty six	_____

[2]

6. Reduce  $\frac{4}{6}$  to its lowest term.

**Answer:** \_\_\_\_\_

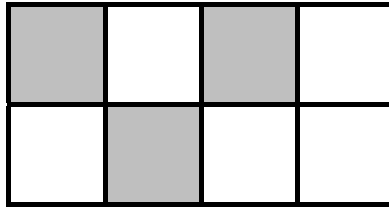
[1]

7. Convert Rs 5 into cents.

**Answer:** \_\_\_\_\_ cents

[1]

8. What fraction of the diagram is **shaded**?



**Answer:** \_\_\_\_\_

[1]

9. Work out:

$$2 \overline{) 286}$$

**Answer:**

\_\_\_\_\_

[1]

10. Work out:  $\frac{3}{7} + \frac{1}{7}$

**Answer:** \_\_\_\_\_

[1]

11. Find the value of  $2^3$ .

**Answer:** \_\_\_\_\_

[1]

12. Write down the missing term in the sequence below.

8 , 13 , \_\_\_\_\_ , 23 , 28

[1]

13. What is the Highest Common Factor (**H.C.F.**) of 12 and 18?

**Answer:** \_\_\_\_\_

[1]

14. Arrange the following numbers in **ascending order**, starting from the smallest number.

3217

3127

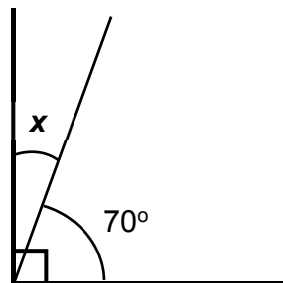
3712

3172

**Answer:** \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

[1]

15. Calculate the size of angle **x** shown in the diagram below.



**Answer:** angle **x** = \_\_\_\_\_ °

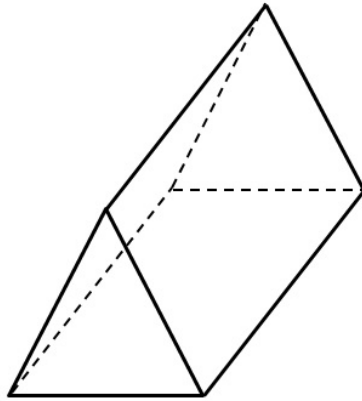
[2]

16. Work out  $\frac{6}{7} \times \frac{2}{9}$  , giving your answer in its **lowest terms**.

**Answer:** \_\_\_\_\_

[2]

17. The diagram below shows a 3-D shape.



Study the diagram carefully and answer the questions that follow.

(a) Name the 3-D shape.

**Answer:** \_\_\_\_\_

[1]

(b) State how many **vertices** the shape has.

**Answer:** \_\_\_\_\_ vertices

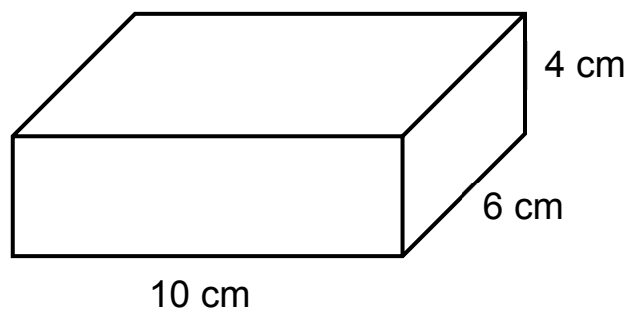
[1]

(c) State how many **edges** the shape has.

**Answer:** \_\_\_\_\_ edges

[1]

18. Find the **volume** of the cuboid shown below.



**Answer:** \_\_\_\_\_  $\text{cm}^3$

[2]

For each question from numbers 19 to 28, circle the letter which shows the correct answer. An example is given.

$$4 + 3 =$$

**A** 5

**B** 6

**C** 7

**D** 8

19.  $(5 \times 100) + (4 \times 1000) + (7 \times 1) + (3 \times 10) =$

**A** 4573

**B** 4537

**C** 5473

**D** 5437

20. What is the Least Common Multiple (**L.C.M.**) of 10 and 15?

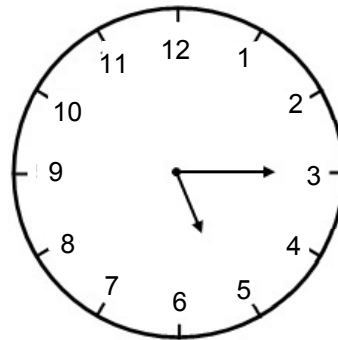
**A** 5

**B** 25

**C** 30

**D** 150

21. What is the time shown on the clock face below?



**A** Five minutes past three

**B** Three minutes past five

**C** Quarter to five

**D** Quarter past five

22.  $\frac{3}{5}$  expressed as a percentage is

**A** 30 %

**B** 35 %

**C** 50 %

**D** 60 %

23. A shopkeeper sells a pen for Rs 27.35, making a **loss** of Rs 1.75.  
At what price did he buy the pen?

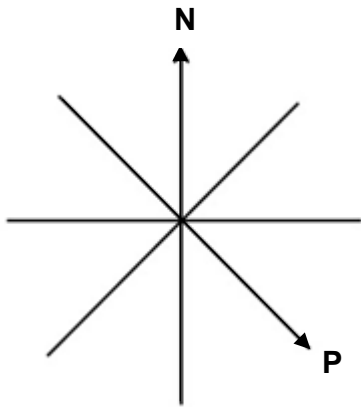
**A** Rs 29.10

**B** Rs 28.10

**C** Rs 25.60

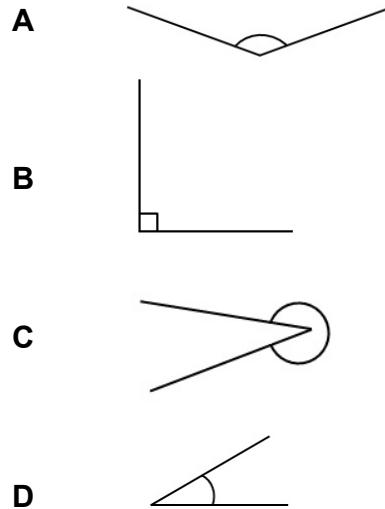
**D** Rs 24.60

24. What is the direction at **P**?

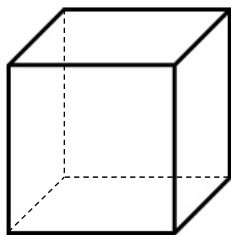


- A North East
- B South West
- C North West
- D South East

25. Which one of the following is a **reflex** angle?



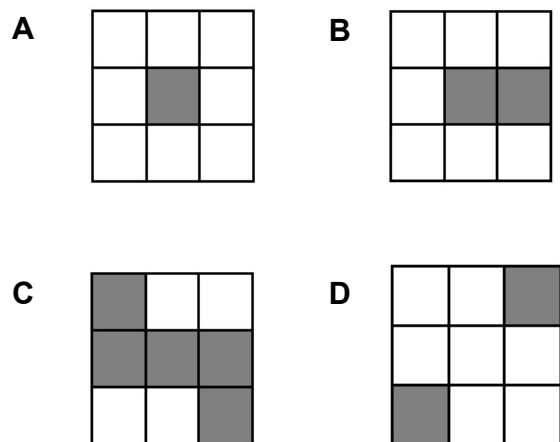
26. The volume of the cube below is  $64 \text{ cm}^3$ .



What is the **length** of one side of the cube?

- A 4 cm
- B 8 cm
- C 18 cm
- D 32 cm

27. Which one of the following diagrams has **only** one line of symmetry?



28. The 4<sup>th</sup> of May 2017 was a Thursday.

On which day was the 25<sup>th</sup> of April 2017?

- A Tuesday
- B Wednesday
- C Thursday
- D Friday

29. Match each number in **Column A** with the correct statement in **Column B**.  
An example is given.

**Column A**

17

21

24

25

**Column B**

is a factor of 7.

is a prime number.

is equal to 31 minus 7.

is a square number.

is a multiple of 7.



[3]

30. Anil watches a film on TV.  
The film starts at 6.20 p.m. and ends at 8.15 p.m.

Calculate the **duration** of the film.

**Answer:** \_\_\_\_\_ h \_\_\_\_\_ minutes

[2]

31. Work out:  $24 \div \frac{2}{3}$

**Answer:** \_\_\_\_\_

[2]



32. The average of three numbers is 92.  
Two of the numbers are 28 and 145.

Find the third number.

**Answer:** \_\_\_\_\_

[3]

- 
33. The price of a toy car is **decreased** by 20 %.  
The **new** price of the toy is Rs 2000.

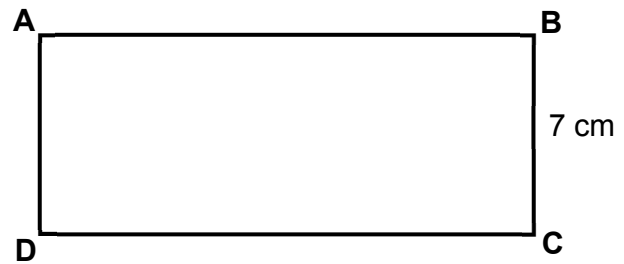
Calculate the **original price** of the toy.

**Answer:** Rs \_\_\_\_\_

[3]

34. The **perimeter** of rectangle **ABCD** is 56 cm.  
The width **BC** is 7 cm.

Calculate the length of **AB**.



**Answer:** \_\_\_\_\_ cm

[3]

35. There are 40 pupils in a class.  
15 % of the pupils wear glasses.

Find the number of pupils who **do not** wear glasses.

**Answer:** \_\_\_\_\_ pupils

[3]

36. Given that

$$\boxed{67} \times \boxed{93} = \boxed{6231}$$

**without doing any calculation**, write down the missing numbers in the empty boxes below.

(a)  $\boxed{6231} \div \boxed{67} = \boxed{\phantom{0000}}$

(b)  $\boxed{68} \times \boxed{93} = \boxed{6231} + \boxed{\phantom{0000}}$

(c)  $\boxed{6.231} \div \boxed{0.93} = \boxed{\phantom{0000}}$

[3]

37. \$ 1 = Rs 39  
€ 1 = Rs 42

Ria has \$ 780.  
She changes her money in rupees.

- (a) Calculate the amount of money she gets **in rupees**.

**Answer: Rs** \_\_\_\_\_

[2]

- (b) (i) Ria then buys a mobile phone for Rs 19 920.

How much money does she have left **in rupees**?

**Answer: Rs** \_\_\_\_\_

[1]

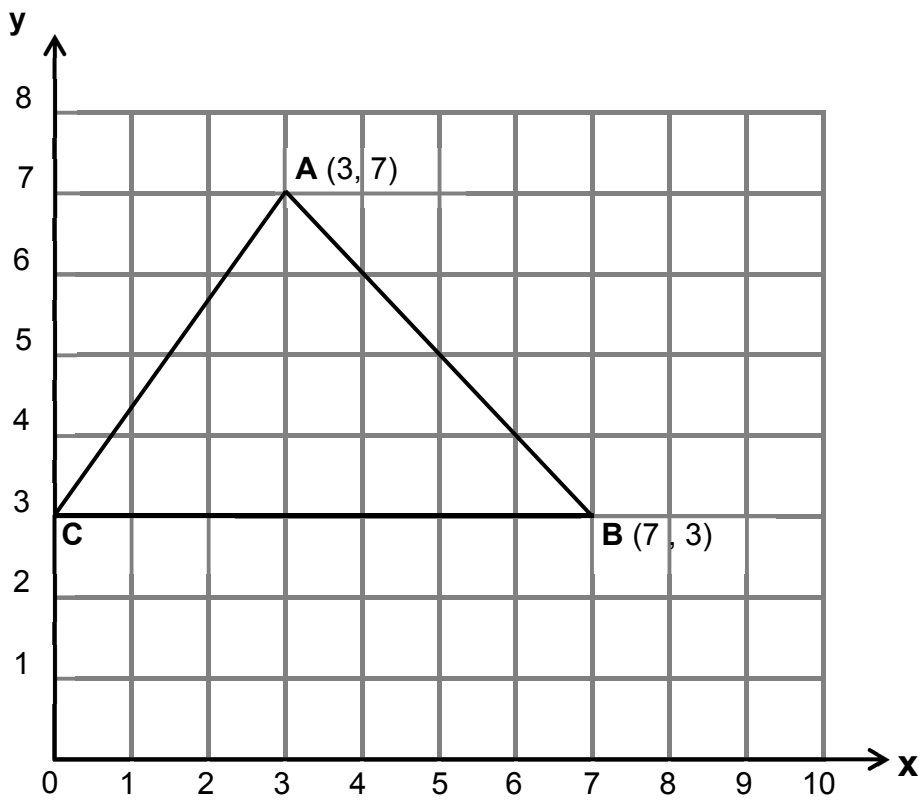
- (ii) Ria changes the remaining amount of money she has into Euros (€).

Calculate the amount of money Ria gets in **Euros**.

**Answer: €** \_\_\_\_\_

[2]

38. In the graph shown below, points **A** and **B** have coordinates  $(3, 7)$  and  $(7, 3)$  respectively.



- (a) Write down the coordinates of point **C**.

**Answer:** ( \_\_\_\_\_ , \_\_\_\_\_ )

[1]

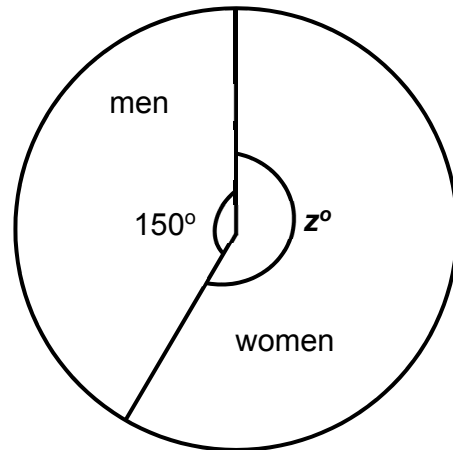
- (b) Find the **area** of triangle **ABC**.

**Answer:** \_\_\_\_\_ square units

[3]

39. There are 300 adults in a cinema hall.  
The pie chart represents the number of men and women in the hall.

(a) Calculate the size of angle  $z$ .



**Answer:** angle  $z =$  \_\_\_\_\_  $^{\circ}$

[2]

(b) Calculate the number of men in the hall.

**Answer:** \_\_\_\_\_ men

[2]

40. A baker prepares a mixture by using

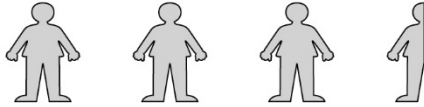
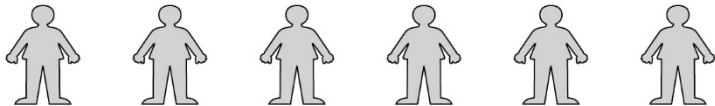

530 mL of milk,  
2 L of water and  
40 cL of syrup.

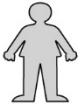
Find the **total volume** of the mixture **in litres**.

**Answer:** \_\_\_\_\_ L

[3]

41. Three schools participate in a sport competition.  
The pictogram below represents the number of participants from each school.

Happy Kids	
Star Kids	
Power Kids	

Key  represent 2 pupils

Study the pictogram and answer the questions that follow.

- (a) Which school has the **greatest** number of participants?

**Answer:** \_\_\_\_\_

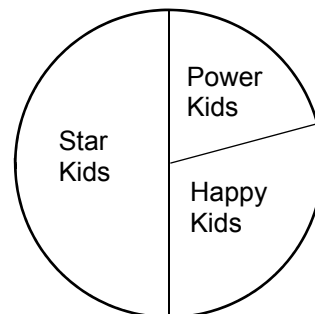
[1]

- (b) Find the **total** number of participants in the sport competition.

**Answer:** \_\_\_\_\_ participants

[2]

- (c) The information provided in the pictogram is now represented on a pie chart.  
Calculate the angle representing the number of participants from **Power Kids**.



**Answer:** \_\_\_\_\_

[2]

42. Brian travels a distance of 168 km for 3 hours from **Town A** to **Town B**.

- (a) Calculate the average speed of his journey in **kilometres per hour**.

**Answer:** \_\_\_\_\_ km/h [2]

- (b) (i) For the return journey from **Town B** to **Town A**, Brian takes the same route but **reduces** his speed by 8 km/h.

Find Brian's **new** speed.

**Answer:** \_\_\_\_\_ km/h [1]

- (ii) Calculate the time taken for the return journey.

**Answer:** \_\_\_\_\_ h [2]

43. Wali has a packet of biscuits. He eats  $\frac{2}{5}$  of the biscuits on Monday.

- (a) What fraction of biscuits is **left**?

**Answer:** \_\_\_\_\_ [2]

- (b) On Tuesday, Wali eats  $\frac{1}{4}$  of the **remaining** biscuits.

What fraction of biscuits is **left** in the box?

**Answer:** \_\_\_\_\_ [4]

44. Samy buys 3 kg of potatoes, 1 kg of tomatoes and  $\frac{1}{2}$  kg of onions for Rs 89.  
Rishi buys 9 kg of potatoes and 3 kg of tomatoes from the same seller for Rs 228.

Calculate

- (a) the cost of 3 kg of potatoes and 1 kg of tomatoes.

**Answer: Rs** \_\_\_\_\_

[2]

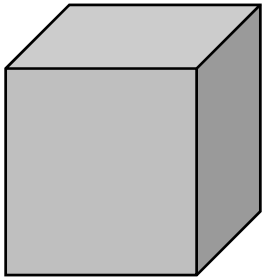
- (b) the cost of 1 kg of onions.

**Answer: Rs** \_\_\_\_\_

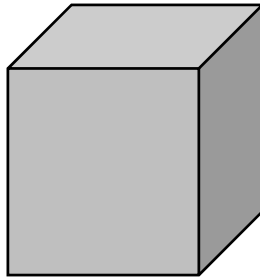
[3]



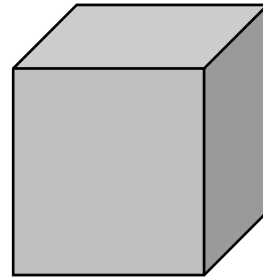
45. Three boxes, Box **A**, Box **B** and Box **C**, contain balls.



Box **A**



Box **B**



Box **C**

Box **A** contains **3 times** as many balls as in Box **B**.

Box **C** contains **half** as many balls as in Box **B**.

Given that there are 36 **more** balls in Box **A** than in Box **B**, find

(a) the number of balls in Box **B**.

**Answer:** \_\_\_\_\_ balls

[3]

(b) the number of balls in Box **C**.

**Answer:** \_\_\_\_\_ balls

[1]

(c) the **total** number of balls in the three boxes.

**Answer:** \_\_\_\_\_ balls

[3]

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