

1. Work out :

$$\begin{array}{r} 436 \\ + 53 \\ \hline \end{array}$$

Answer: _____

[1]

2. Work out:

$$\begin{array}{r} 768 \\ - 324 \\ \hline \end{array}$$

Answer: _____

[1]

3. How many sides does a pentagon have?

Answer: _____ sides

[1]

4. What fraction is found exactly between $\frac{2}{5}$ and $\frac{4}{5}$?

Answer: _____

[1]

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

In words	In figures
Example : One hundred and sixty two	162
(a) Six hundred and forty eight	_____
(b) _____ _____	1079

[2]

6. Work out :

2 1 4

x 2

Answer :

[1]

7. Work out :

4 $\overline{) 804}$

Answer :

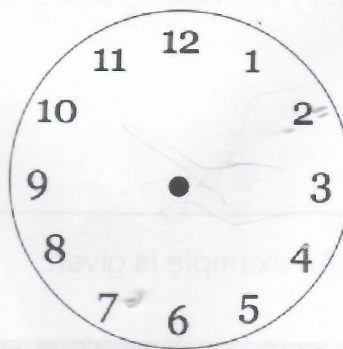
[1]

8. Convert 6 litres into centilitres.

Answer : _____ cL

[1]

9. The diagram below shows a clockface. Draw the minute hand and the hour hand on the clockface to show **quarter past five**.



[1]

10. Express $4\frac{1}{3}$ as an improper fraction.

Answer. _____

[1]

For each question from numbers 11 to 18 circle the letter which shows the correct answer. An example has been done for you.

$$8 + 4 =$$

A 4

☒ C 12

B 8

D 10

11. $3\,428 =$

A $(8 \times 1000) + (2 \times 100) + (4 \times 1) + (3 \times 10)$

B $(8 \times 100) + (2 \times 10) + (4 \times 1000) + (3 \times 1)$

C $(8 \times 1) + (2 \times 100) + (4 \times 10) + (3 \times 1000)$

D $(8 \times 1) + (2 \times 10) + (4 \times 100) + (3 \times 1000)$

12. $6^3 =$

A 6×3

C $6 \times 6 \times 6$

B $3 \times 3 \times 3 \times 3 \times 3 \times 3$

D $3 \times 3 \times 3$

13. Which one is a **composite** number?

A 7

B 19

C 21

D 23

14. How many lines of symmetry does a regular **hexagon** have?

A 5

B 4

C 7

D 6

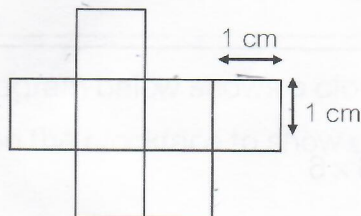
15. $\frac{2}{5}$ expressed as a decimal is

- A 0.2
- B 0.4
- C 0.6
- D 0.8

16. Which one is an obtuse angle?

- A 45°
- B 90°
- C 175°
- D 235°

17. The shape below is made of small squares, each of length 1 cm. Find the **perimeter** of the shape.



- A 7 cm
- B 14 cm
- C 15 cm
- D 18 cm

18. The picture below shows an **adult** giraffe. What could be the mass of the giraffe?



- A 12 kg
- B 12 g
- C 1200 kg
- D 1200 g

19. Work out : $\frac{5}{7} \times \frac{2}{3}$

Answer : _____

[1]

20. Here are four number cards.

342

432

324

423

In the spaces provided below, arrange the number cards in **descending** order.

[1]

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

Column A

Column B

4

is a factor of 5.

25

is a multiple of 7.

11

is a factor of 12.

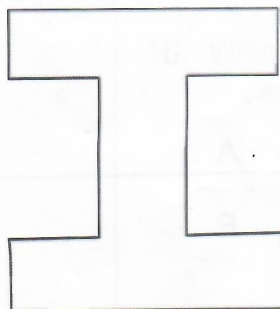
42

is a prime number.

is a square number.

[3]

22. Draw the lines of symmetry of the shape below.



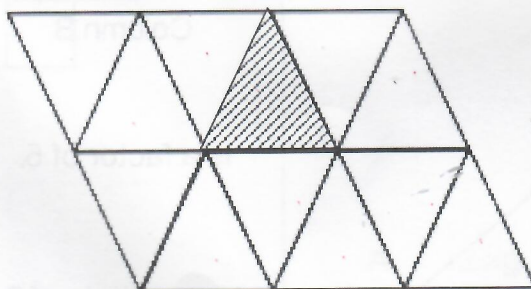
[1]

23. Work out : $1\frac{6}{7} - \frac{4}{7}$

Answer : _____

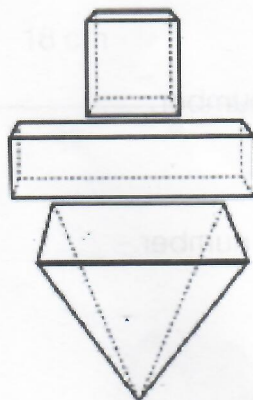
[2]

24. One triangle is shaded in the diagram below. Shade additional triangles so that $\frac{1}{3}$ of the diagram is shaded.



[2]

25. Study the diagram and complete the table below.



Solid shape	Number of vertices
Cube	_____
Cuboid	_____
Pyramid	_____

[3]

26. Write down the missing number in the sequence.

1024

256

64

[1]

27. Ravin has 135 marbles. He gives 98 marbles to Ali.

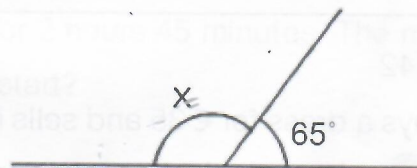
How many marbles has he **left**?

Answer : _____ marbles

[2]

28. AB is a straight line.

Calculate the size of angle x.



Answer: angle $x =$ _____

[2]

29. The total mass of potatoes and tomatoes is 24.75 kg. The tomatoes weigh 9.5kg.

Calculate the weight of the potatoes.

Answer : _____ kg

[2]

30. One bucket holds 3 litres of water. How many buckets can be filled with 48 litres of water?

Answer : _____ buckets

[2]

31. Work out : $\frac{3}{7} \div \frac{15}{21}$, giving your answer in its lowest terms.

Answer: _____

[2]

32. 1€ = Rs 42

Sarah buys a dress for € 35 and sells it for Rs 1250.

Calculate the **loss** which she makes, in rupees.

Answer: Rs _____

[3]

33. A group of 235 pupils are going to a museum. 80% of them are visiting the museum for the first time.

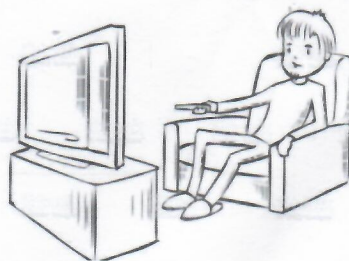
Calculate the number of pupils who have been visiting the museum before.



Answer: _____ pupils

[3]

34. Tom watched a movie which lasted for 2 hours 45 minutes. The movie ended at 1.30 p.m. At what time did the movie start?



Answer: _____

[3]

35. The price of a TV set is decreased by 20% .

The new price of the TV set is Rs 21 420.

Calculate the **original** price of the TV set.



Answer: Rs _____

[3]

36. Here is a number fact.

$$147 \times 32 = 4704$$

Without doing any calculation, fill in the blanks below.

a) _____ \times 32 = 4704 - 32

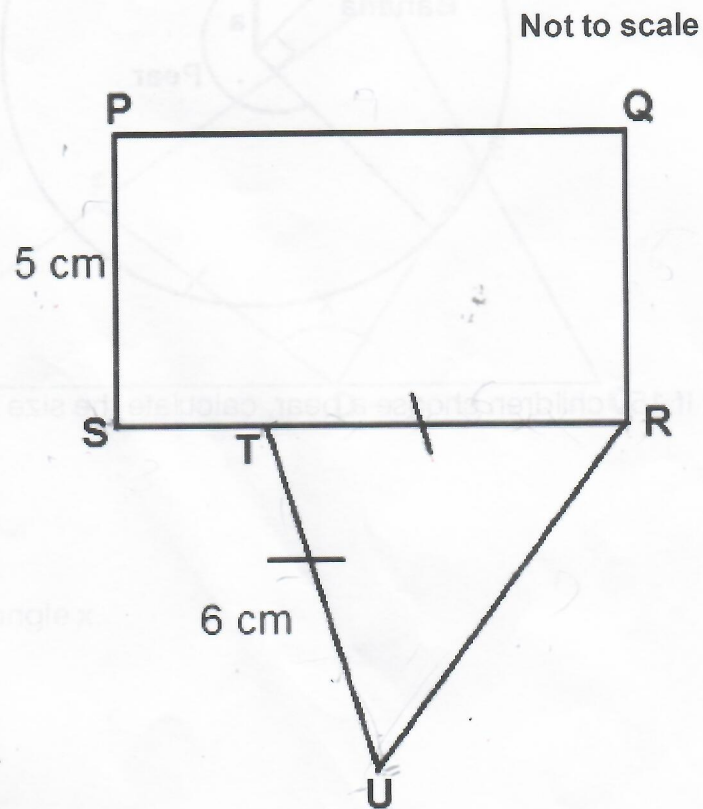
b) 4704 \div 32 = _____

c) 1.47 \times 32 = _____

[3]

37. The area of rectangle **PQRS** is 45 cm^2 .
TRU is an isosceles triangle. **TU** = 6 cm.
The perimeter of **PQRUTS** is 35 cm.

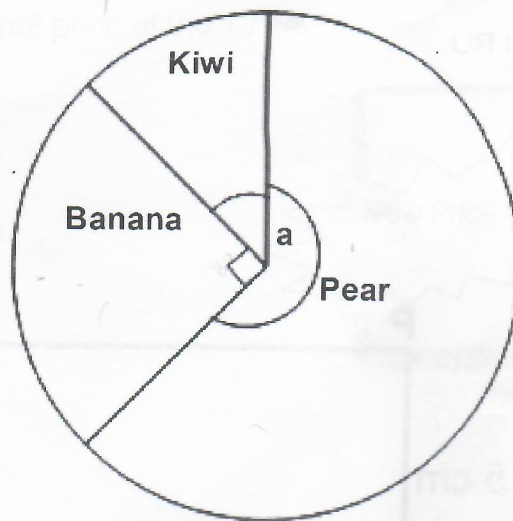
Calculate the length of **RU**.



Answer: _____ cm

[5]

38. There are 240 children in a group. Each one is asked to choose a kiwi, a banana or a pear.



- (a) If 150 children choose a pear, calculate the size of angle a .

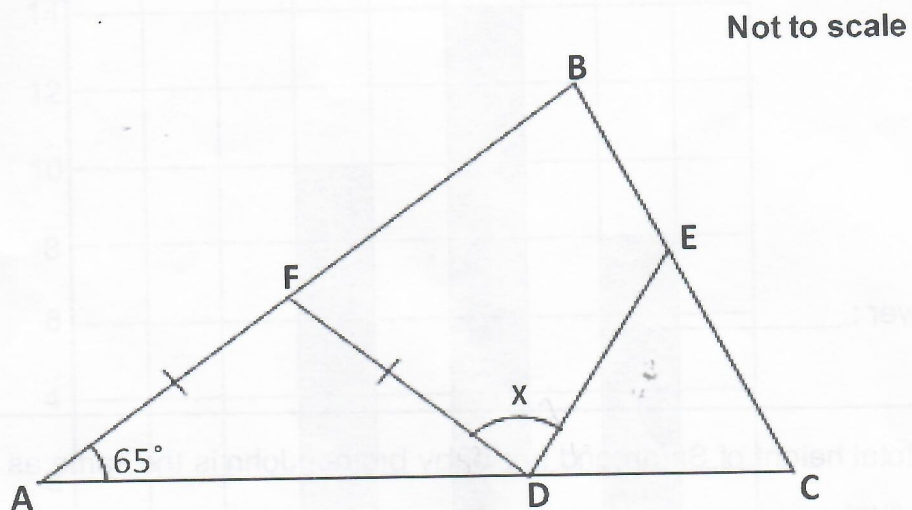
Answer: angle $a =$ _____ [2]

- (b) The ratio of boys who choose a kiwi to girls who choose a kiwi is 2:3.

How many boys choose a kiwi?

Answer: _____ boys [4]

39. ABC is a scalene triangle.
AFD is an isosceles triangle.
DEC is an equilateral triangle.



Calculate the size of angle x .

Answer : angle $x =$ _____

[4]

40. Town A is 30 km away from Town B. Paul leaves Town A for Town B at quarter to ten in the morning. He drives at an average speed of 75 km/h.

At what time will Paul reach Town B?

Answer : _____

[4]

41. The total height of Sarah and her baby brother John is the same as the height of their aunt.

Sarah is twice as tall as her brother.

Sarah is 55 cm **shorter** than her aunt.

Calculate the height of their aunt.

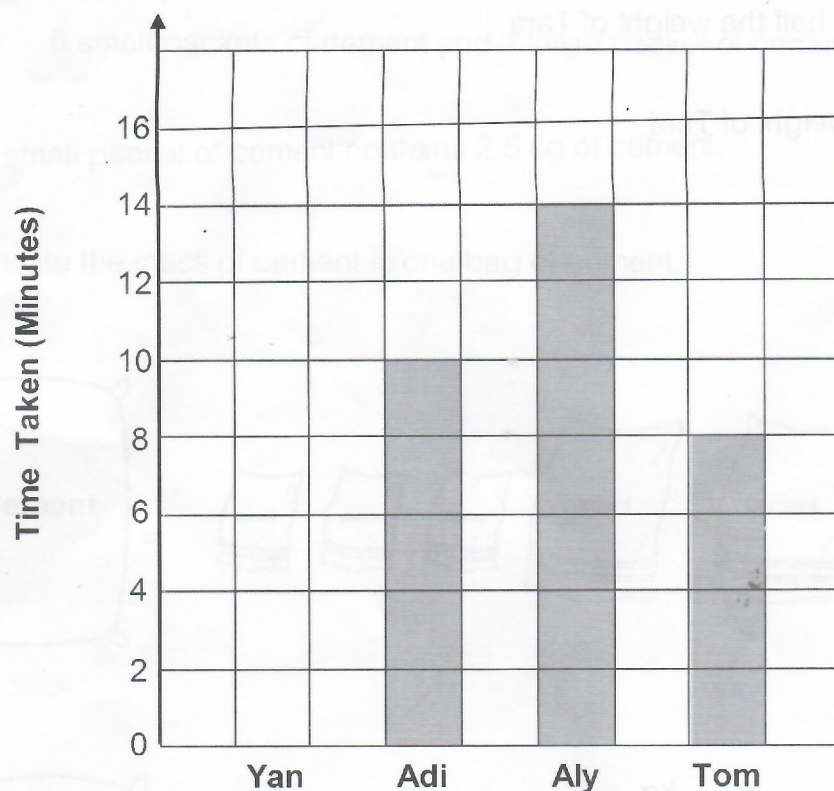
Not to scale



Answer : _____ cm

[3]

42. Four pupils take part in a race. The bar chart represents the time taken by Yan, Adi, Aly and Tom to complete the race.



- (a) Given that Yan completes the race twice as fast as Tom, find the time taken by Yan to complete the race.

Answer: _____ minutes [2]

- (b) On the bar chart above, **draw** the bar representing the time taken by Yan to complete the race. [1]

- (c) Which pupil took the **most** time to complete the race?

Answer: _____ [1]

- (d) Calculate the **average** time taken by the four pupils to complete the race.

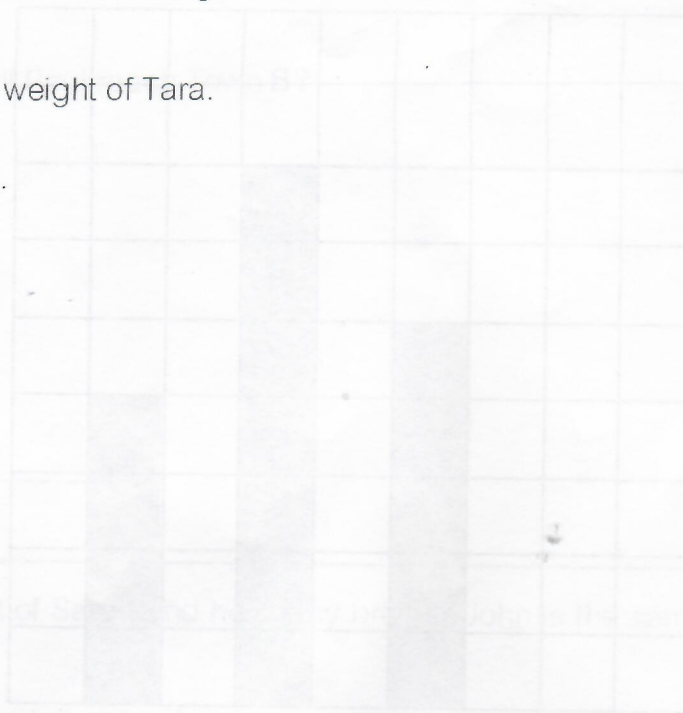
Answer: _____ minutes [3]

43. The average weight of Lina, Nita and Tara is 55 kg.

Lina is 45 kg.

Nita's weight is half the weight of Tara.

Calculate the weight of Tara.



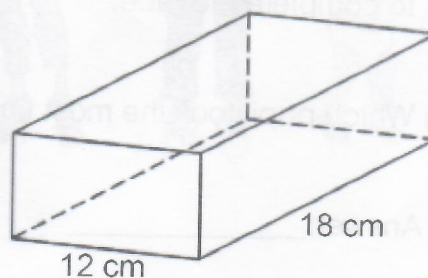
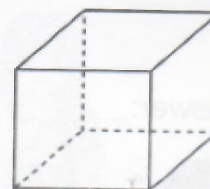
Answer: _____ kg

[5]

44. The cube and the cuboid have the **same** volume.

The surface area of the cube is 864 cm^2 .

Calculate the height of the cuboid.



Answer : _____ cm

[4]

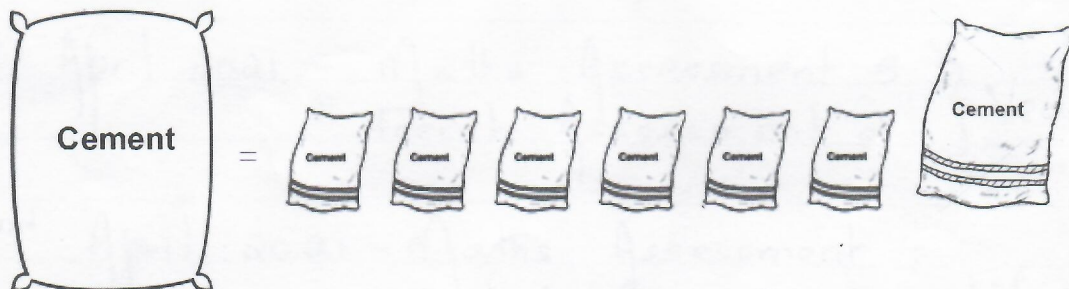
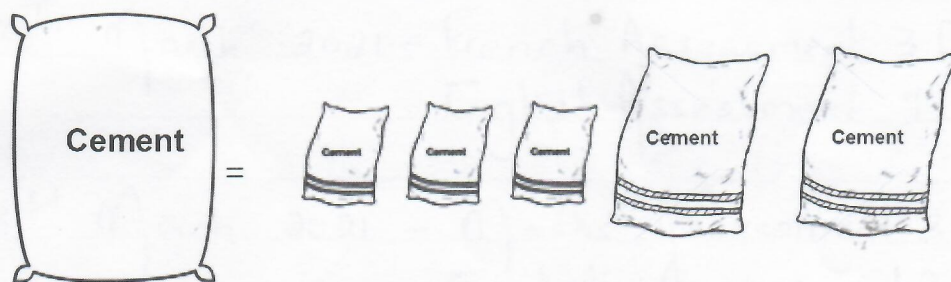
45. With one bag of cement we can make

either 3 small packets of cement and 2 large packets of cement,

or 6 small packets of cement and 1 large packet of cement.

One small packet of cement contains 2.5 kg of cement.

Calculate the mass of cement in one bag of cement.



Answer : _____ kg

[4]