1. Work out:

$$\begin{array}{r} 2\ 3\ 1 \\ 1\ 0\ 5\ + \\ \hline \end{array}$$

Answer: _____

[1]

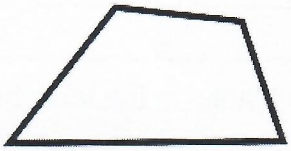
2. Work out:

$$\begin{array}{r} 9\ 4\ 8 \\ 6\ 0\ 2\ - \\ \hline \end{array}$$

Answer: _____

[1]

3. What is the name of the shape?



Answer: _____

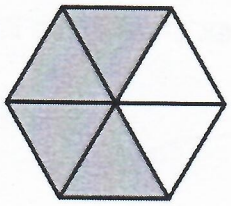
[1]

4. Reduce $\frac{8}{18}$ to its lowest term.

Answer: _____

[1]

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



Answer: _____

[1]

6. Write down the **missing** term in the sequence below.

2 ; 6 , 18 , _____ , 162

[1]

7. Work out:

$$4 \overline{)\,4\ 1\ 6}$$

Answer: _____ [1]

8. Find the **value** of 9^2.

Answer: _____ [1]

9. Convert 5 metres into centimetres.

Answer: _____ **cm** [1]

10. Fill in the blanks in the table below. An example is given.

In words	In figures
Example: Six hundred and sixty-five	665
(a) _____	354
(b) Two thousand four hundred and seven	_____

[2]

11. Circle the **reflex** angle in the list below.

$2°$, $85°$, $90°$, $180°$, $310°$

[1]

12. Work out: $\frac{8}{13} - \frac{5}{13}$

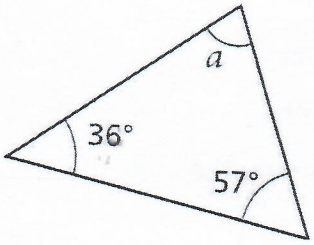
Answer: _____ [1]

13. What is the Highest Common Factor **(H.C.F.)** of 16 and 24?

Answer: _____

[2]

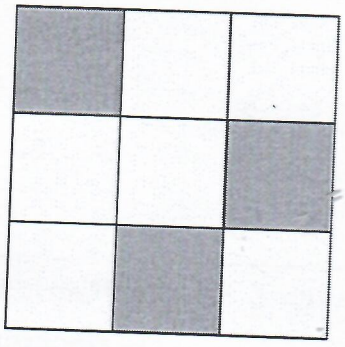
14. Calculate the size of angle ***a***.



Answer: _____ °

[2]

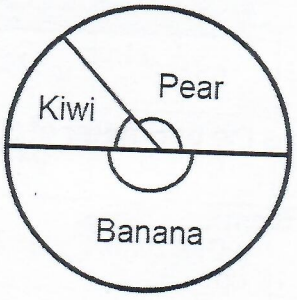
15. The figure below has **only one** line of symmetry. **Draw** the line of symmetry.



[1]

16. The pie chart shows the fruits which pupils in a school like.

Which fruit do the pupils like the **most**?



Answer: _____

[1]

For each question, from numbers 17 to 28, circle the letter which shows the correct answer. An example has been done for you.

2 + 3 =

A 1 C 6

(B) 5 D 23

17. The value of **9** in 29.16 is

A 9 tens

B 9 units

C 9 tenths

D 9 hundredths

18. 82% is equivalent to

A 82

B 8.2

C 0.82

D 0.082

19. The Least Common Multiple (**L.C.M.**) of 6 and 12 is

A 6

B 12

C 18

D 72

20. Which number is 100 **less** than 38 017 ?

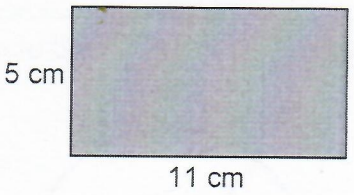
A 37 917

B 38 117

C 39 017

D 39 117

21. The rectangle below has width 5 cm and length 11 cm.



What is the **perimeter** of the rectangle?

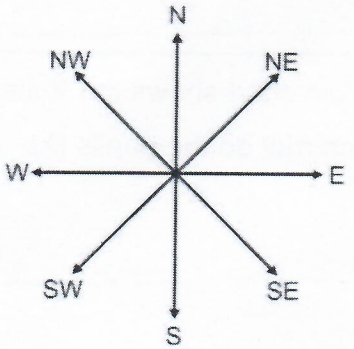
A 6 cm

B 16 cm

C 32 cm

D 55 cm

22. Mike is facing **North-East**. He turns 90° **anti-clockwise**.

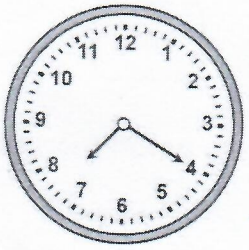


What direction is Mike facing now?

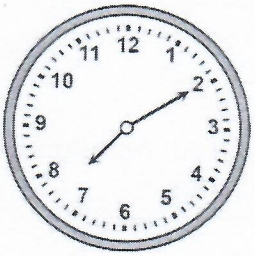
A North C West

B North-West D South-East

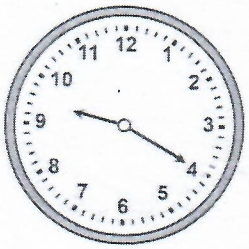
23. Which of the following clocks shows the time **21 10** ?



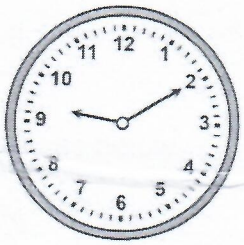
A



B



C



D

24. (6 x 10) + (3 x 100) + (4 x 1) + (7 x 1000) =

A 7364

B 7634

C 6347

D 6437

25. 56 400 ÷ ☐ = 564 x 100

The **missing** number is

A 10

B 100

C 1 000

D 10 000

26. $5^2 \times 5^{\square} = 5^5$

The missing power is

A 1

B 2

C 3

D 4

27. The 25th of January 2020 was a Saturday. On which day was the **4th of February 2020**?

A Sunday

B Monday

C Tuesday

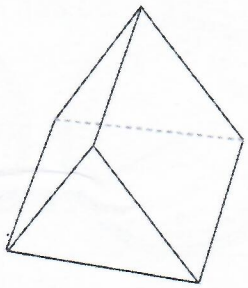
D Wednesday

28. In which of the following are the masses arranged in **descending** order (starting with the **heaviest**)?

	Heaviest		**Lightest**
A	6 kg 210 g	$6\frac{1}{2}$ kg	6.25 kg
B	6.25 kg	$6\frac{1}{2}$ kg	6 kg 210 g
C	6.25 kg	6 kg 210 g	$6\frac{1}{2}$ kg
D	$6\frac{1}{2}$ kg	6.25 kg	6 kg 210 g

[12]

29. (a) Study the 3-D shape below and complete the table which follows.



i.	**Name of 3-D shape**	
ii.	**Number of faces**	
iii.	**Number of vertices**	

[3]

(b) Work out: $\frac{4}{5} \div \frac{2}{3}$, giving your answer in **mixed number.**

Answer: _____ [2]

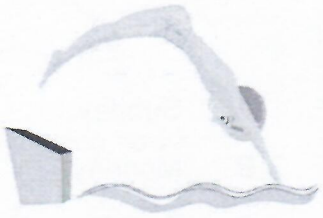
---

30. The **total** mass of Elena and Sam is the **same** as that of Tina.
Given that the mass of Tina is 75 kg, find the **average** mass of Elena, Sam and Tina.

Answer: _____ **Kg** [2]

---

31. Abimael got into the pool at 14 40. He was in the pool for 50 minutes.
At what time did he get out of the pool?



Answer: _____ [2]

32. Vanisha knows that

389	x	182	=	70 798

Without doing any calculation, help Lina to fill in the empty boxes below.

(a) 70 798 ÷ 182 = ____

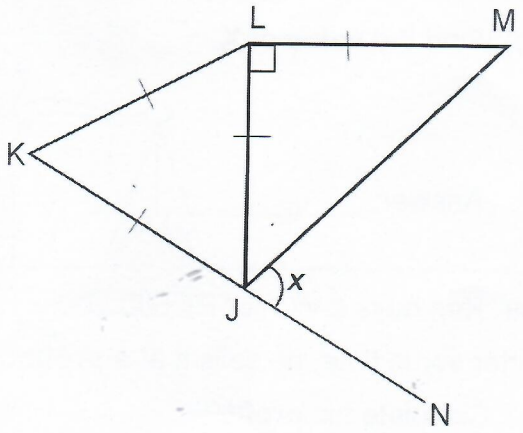
(b) 38.9 x 1.82 = ____

(c) 389 x ____ = 70 798 – 389

[3]

---

33. In the figure below, **KJN** is a straight line, **LMJ** is an isosceles triangle and **KJL** is an equilateral triangle. Find the size of angle ***x***.

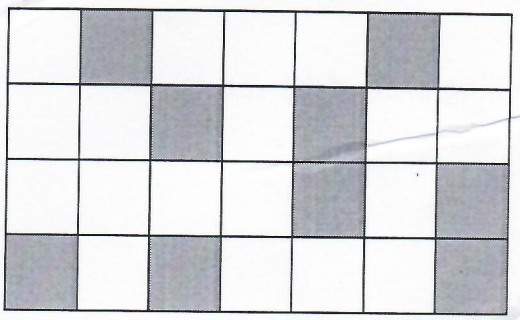


Answer: _____ °

[4]

---

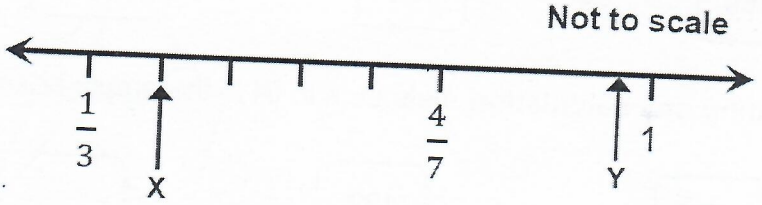
34. The figure below shows 28 small squares arranged in a rectangular shape.
How many **more** small squares must be shaded so that 50% of the figure is shaded?



Answer: _____ **small squares**

[3]

35. The diagram below shows the positions of two numbers, labelled **X** and Y, on a number line.



(a) i. Can **Y** be equal to $\frac{23}{25}$? Tick (✓) the correct box below.

Yes ☐ No ☐

[1]

ii. Give a **reason** for your answer in **part 1**.

_____

(b) Find the **value** of **X**.

[1]

Answer: _____

[2]

36. Mr. Ken buys a van for Rs 660 000.

After some time, he sells it at a **profit** of 25 %.

i. Calculate his **profit**.

Answer: **Rs** _____

[2]

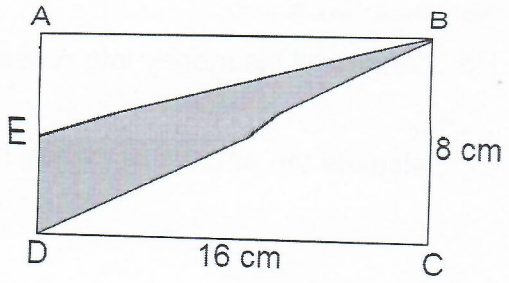
ii. Find the **selling** price of the van.

Answer: **Rs** _____

[2]

37. **ABCD** is a rectangle. **E** is the midpoint of **AD**.

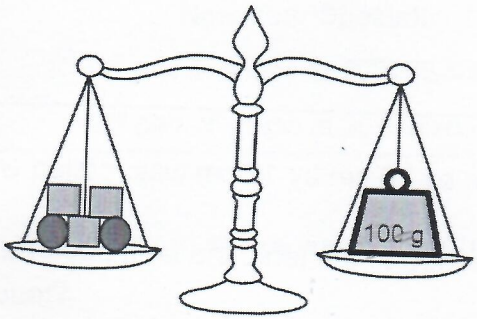
Find the area of triangle **EBD**.



Answer: _____ **cm²**

[4]

38. Emma uses 5 shapes to balance a 100 g weight on a scale.



Each shape ▭ weighs 24 g.

How much does each ● weigh?

Answer: _____ **g**

[4]

39. **€ 1 = Rs 40**

$ 1 = Rs 37

Abhishek has $ 400.

He changes all his money into rupees.

i. Calculate the amount of money he gets in **rupees**.

Answer: **Rs** _____ [2]

ii. If he buys a wallet for Rs 4560 and changes the **remaining** amount of money into euros (€), find the amount of money he gets in **euros**.

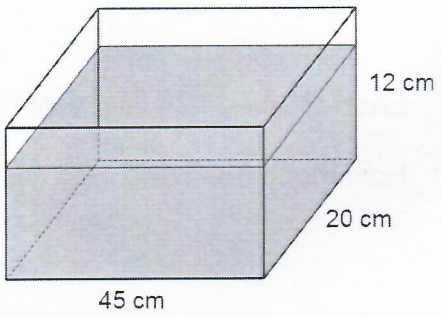
Answer: **€** _____ [3]

---

40. A tank measuring 45 cm by 20 cm by 12 cm was $\frac{1}{5}$ filled with water.

After some water was added to the tank, the tank became $\frac{3}{4}$ full.

How many litres of water was added to the tank?



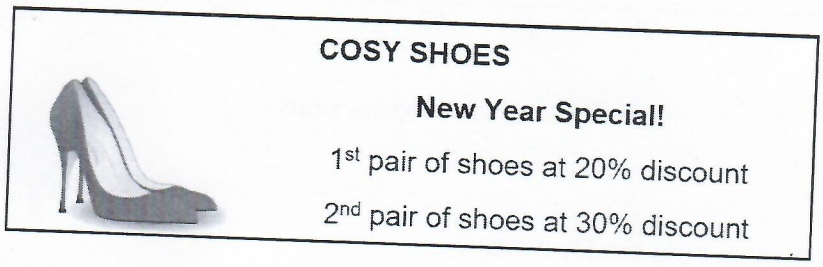
Answer: _____ **L** [6]

41. There are 58 chickens, 5 dogs and pigs on a farm. They have a total of 240 legs. How many pigs are there on the farm?

Answer: _____ **pigs**

[5]

42. Mira bought two pairs of shoes at a shoe store and paid a total amount of Rs 2702.



i. If the usual price of the 1st pair of shoes was Rs 1400, how much did she Mira pay for it after the discount?

Answer: **Rs** _____

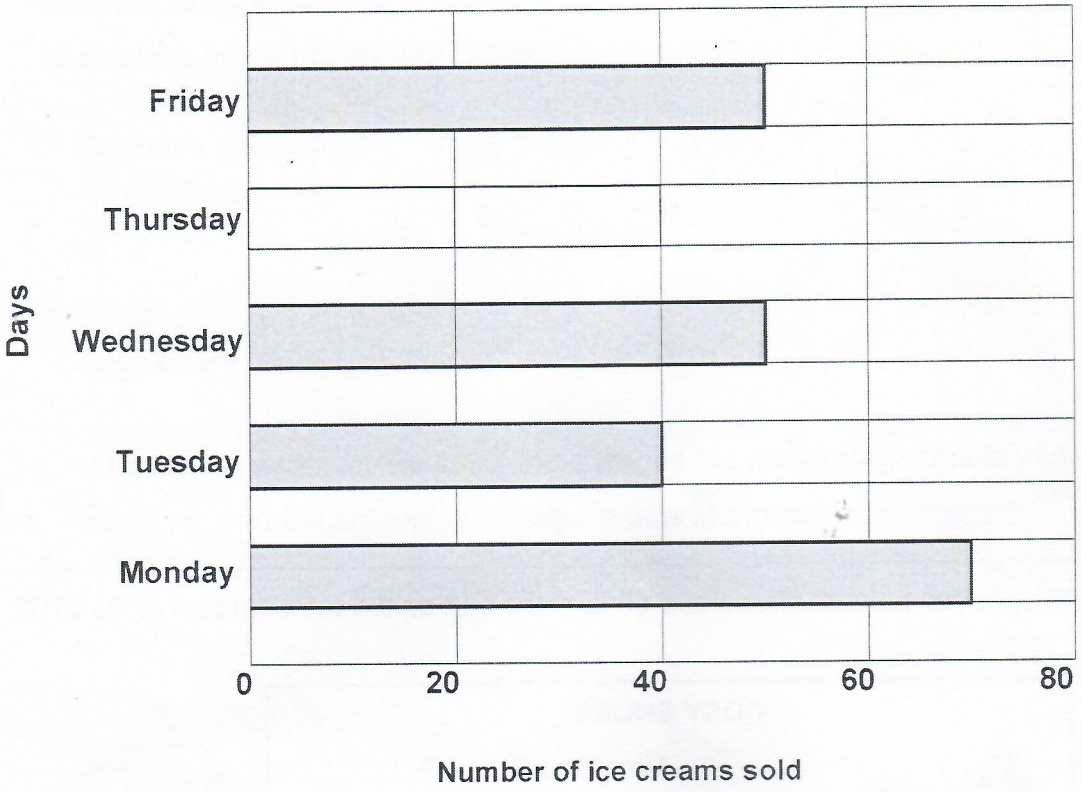
[2]

ii. How much did the 2nd pair of shoes cost before the discount?

Answer: **Rs** _____

[3]

43. The bar chart below shows the number of ice-creams sold from Monday to Friday by an ice cream parlour.



i. 60 ice creams were sold on Thursday.
Shade thus ▨ to represent this information on the bar chart. [2]

ii. On which day was the **least** number of ice creams sold?

Answer: On _____ [1]

iii. How many ice creams were sold on Monday?

Answer: _____ **ice creams** [1]

iv. How many **more** ice creams were sold on Thursday than on Friday?

Answer: _____ **ice creams** [1]

v. Find the average number of ice creams sold for the five days.

Answer: _____ **ice creams** [2]

---

44. Angela had 520 beads. 35% of her beads were black and the rest were red.
After using 95 beads to make a necklace, 40% of the remaining beads were black.

How many red beads did she use?

Answer: _____ **red beads** [6]