



Revision -1

Knowledge

1) Fill in the blanks.

- 1) 60 minutes = 1 hour
- 2) 48 hours = 2 days
- 3) Quarter past 7 = 7:15
- 4) 2 minute 43 seconds = 163 seconds
- 5) 1 year = 52 weeks
- 6) The hour hand goes round the clock 2 times in a day .
- 7) 7:30 in the evening is written as 7:30 pm (am/pm)
- 8) The time from 12 midnight to 12 noon is read and written as am (am/pm)
- 9) A leap year comes once in 4 years .
- 10) February month in a leap year has 29 days

2) Write in decimals.

- (1) 8 cl = 0.08 l
- (2) 7543 mg = 7.543 g
- (3) 53.3 m = 0.0533 km
- (4) 107 dm = 10.7 m
- (5) 439 ml = 4.39 dl
- (6) 8 dam = 0.08 km

3) Convert into 24 hr clock time .

- 1) 11:30 pm - 23:30
- 2) 12:25 am - 00:25

3) Quarter to 4 in the evening - 15:45

4) 30 mins to 12 in the noon - 11:30

4) Convert into 12 hr clock time .

1) 7:35 - 7:35 am

2) 14:20 - 2:20 pm

3) 20:45 - 8:45 pm

4) 00:00 - 12 midnight

5) What unit will you use to measure the following ?

(1) Length of pen = cm

(2) Weight of a book = g

(3) Height of a girl. = cm

(4) Capacity of a bucket. = Litre

6) Write 'C' for complementary and 'S' for supplementary angles.

1) 60° and 120° - S 2) 45° and 45° - C 3) 20° and 70° - C

4) 105° and 75° - S 5) 50° and 40° - C 6) 90° and 90° - S

7) Write 'P' for possible and 'NP' for not possible.

1) A triangle can have more than two obtuse angles. NP

2) In $\triangle RST$, side $RS = 7$ cm, $RT = 9$ cm and $ST = 5$ cm. P

3) In $\triangle LMN$ $\angle L = 50^\circ$, $\angle M = 50^\circ$ and $\angle N = 50^\circ$. NP

4) In $\triangle DEF$ $\angle D = 90^\circ$, $\angle E = 90^\circ$ and $\angle F = 10^\circ$. NP

5) In $\triangle PQR$ side $PQ = 6$ cm, $PR = 3$ cm and $QR = 7$ cm. P

8) Complete the table given below:

	Length	Breadth	Area
1)	7 cm	5 cm	35 sq. cm
2)	6 cm	6 cm	36 sq. cm
3)	7 cm	9 cm	63 sq. cm
4)	14 cm	5 cm	70 sq. cm
5)	8 cm	19 cm	152 sq. cm

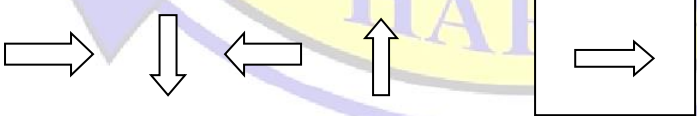
(9) Fill in the blanks .

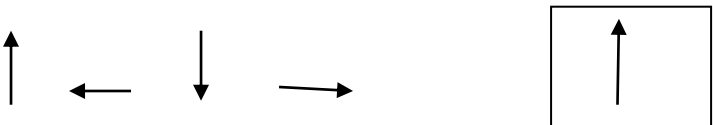
- 1) The instrument used to measure temperature is called Thermometer .
- 2) The freezing point of water is 0 °C or 32 °F
- 3) The boiling point of water is 100 °C or 212 °F
- 4) The normal temperature of a human being is 37 °C
- 5) The two scales on the thermometer are Celsius scale and Fahrenheit scale .

10) Complete the table.

	Length	Breadth	Height	Volume
1	14 cm	8 cm	7 cm	784 cu.cm
2	8 m	5 m	9 m	360 cu.m
3	7 mm	6 mm	15 mm	630 cu.mm

11) Draw the next figure and write the turn given for each pattern that is formed.

1)  $\frac{1}{4}$ Turn.

2)  $\frac{3}{4}$ Turn

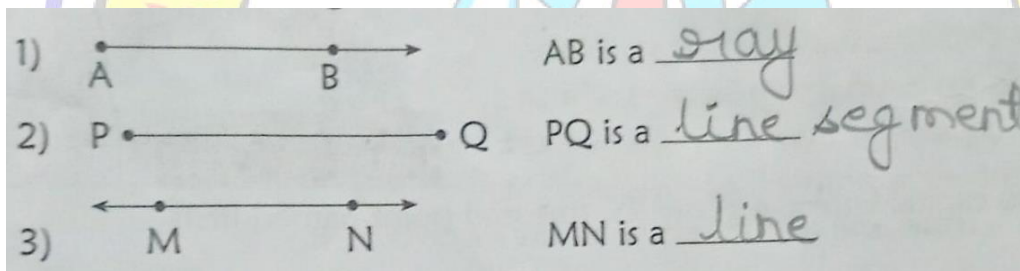
12) Classify the triangles according to their side.

- 1) 6 cm, 3 cm, 5 cm – Scalene Triangle
- 2) 8 cm, 4 cm, 8 cm – Isosceles Triangle
- 3) 7.5 cm, 7.5 cm, 7.5 cm – Equilateral Triangle
- 4) 12 cm, 7 cm, 11 cm – Scalene Triangle

Revision -2

(b) Understanding

1) Look at the figure and fill in the blanks.



2) Convert the following:

- (1) 10 kl to litre = 10,000 litre
- (2) 18 hg to g = 1800 gram
- (3) 12 km to dam = 1200 dam
- (4) 41 cl to ml = 410 ml
- (5) 9 m 34 cm to cm = 934 m
- (6) 1546 g to kg and g = 1 kg 546 g

3) Convert.

- (1) 6.84 dg into kg = 0.000684 Ans
- (2) 0.824 km into dam = 82.4 dam Ans
- (3) 8.35 l into ml = 8350 ml Ans

(4) 56 cl into dal = 0.056 dal Ans

(5) 4.8 hm into m = 480 m Ans

(6) 6.5 dag into mg = 65000 mg Ans

4) Convert to hours .

1) 9 Days

1 day = 24 hours

9 days = 24×9

Ans = 216 hours

2) 10 days 5 hours

1 day = 24 hours

10 days 5 hours = $10 \times 24 + 5$

= $240 + 5$ hours

Ans = 245 hours

3) 15 days 2 hour

1 day = 24 hours

15 days 2 hours = $15 \times 24 \text{ hrs} + 2 \text{ hrs}$

= $360 \text{ hrs} + 2 \text{ hrs}$

Ans = 362 hours

5) Round the following numbers to the nearest hundred.

1) 735 = 700 5) 86 = 100

2) 8,651 = 8700 6) 8311 = 8300

3) 6,438 = 6400 7) 6,517 = 6500

4) 173 = 200 8) 925 = 900

6) Round the following numbers to the nearest thousand.

1) 8,825 = 9000 5) 6,200 = 6000

2) 31,718 = 32000 6) 35,896 = 36,000

3) 6,400 = 6000 7) 32,194 = 32,000

4) 99,700 = 1,00,000 8) 3,500 = 4000

7) Round off the following decimals to the nearest whole number.

1) 1.16 = 1.00 2) 3.375 = 3.00 3) 10.583 = 11.00 4) 9.94 = 10.00

8) Round off the following decimals to the nearest hundredths .

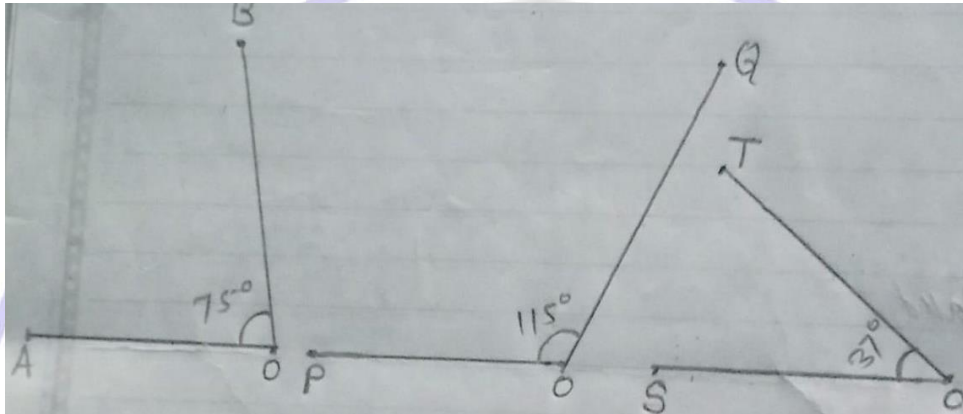
1) $89.836 = 89.84$ 2) $77.777 = 77.78$ 3) $13.001 = 13.00$ 4) $43.209 = 43.21$

9) Construct the following angles.

1) 75°

2) 115°

3) 37°

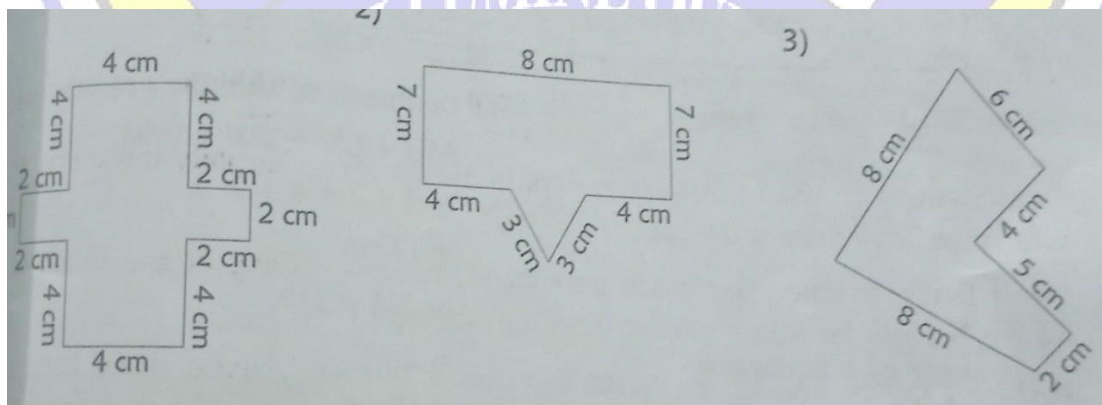


10) Write A for acute, O for obtuse, R for right and S for straight angle.

1) 25° - A 2) 88° - A 3) 175° - O 4) 180° - S

5) 15° - A 6) 76° - A 7) 90° - R 8) 60° - A

11) Find the perimeter of the following figures.



P = 36 cm

P = 36 cm

P = 33 cm

Revision -3

Ability to Compute

1) In $\triangle XYZ$, find the measure of the third angle in each case.

1) $\angle X = 50^\circ$, $\angle Y = 50^\circ$, find $\angle Z$

$$\begin{aligned}\text{Sol - } \angle X + \angle Y + \angle Z &= 180^\circ \\ &= 50^\circ + 50^\circ + \angle Z = 180^\circ \\ &= 100^\circ + \angle Z = 180^\circ \\ &= \angle Z = 180^\circ - 100^\circ = 80^\circ \\ &= \angle Z = 80^\circ\end{aligned}$$

2) $\angle Y = 60^\circ$, $\angle Z = 60^\circ$, find $\angle X$

$$\begin{aligned}\text{Sol - } \angle X + \angle Y + \angle Z &= 180^\circ \\ &= \angle X + 60^\circ + 60^\circ = 180^\circ \\ &= \angle X + 120^\circ = 180^\circ \\ &= \angle X = 180^\circ - 120^\circ = 60^\circ \\ &= \angle X = 60^\circ\end{aligned}$$

2) Find the volume of the cuboids with the following dimensions.

1) Length = 18 mm

breadth = 16 mm

height = 4 mm

Volume of a cuboid = length x Breadth x height

$$= 18 \text{ mm} \times 16 \text{ mm} \times 4 \text{ mm}$$

$$\text{Answer} = 1152 \text{ cu. mm}$$

2) Length = 15 cm

Breadth = 8 cm

Height = 7 cm

Volume of a cuboid = Length x breadth x height

$$= 15 \text{ cm} \times 8 \text{ cm} \times 7 \text{ cm}$$

$$\text{Answer} = 840 \text{ cu.cm}$$

3) length = 7 m

Breadth = 3 m

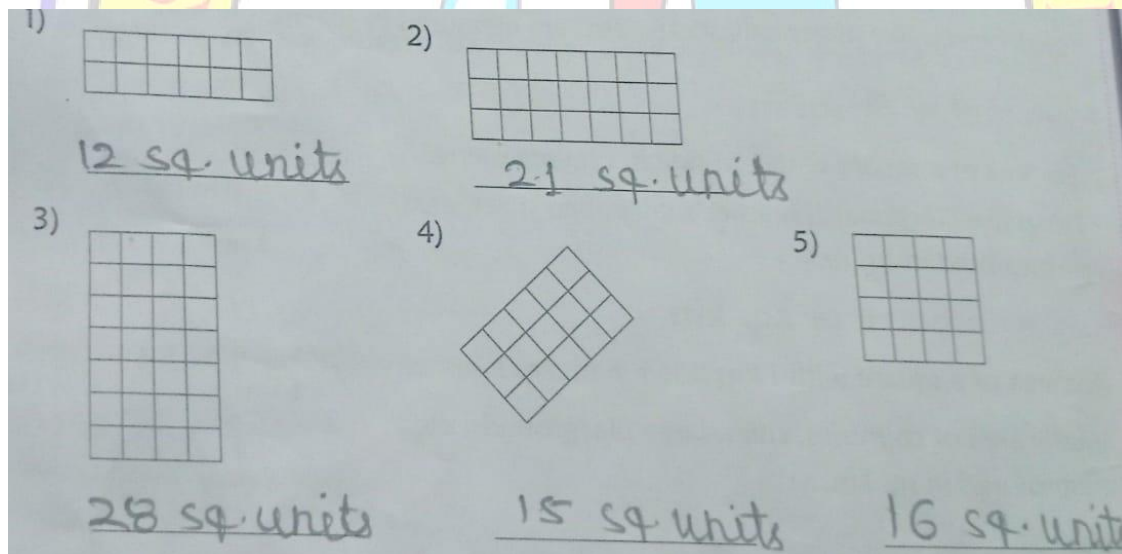
Height = 14 m

Volume of a cuboid = length x breadth x height

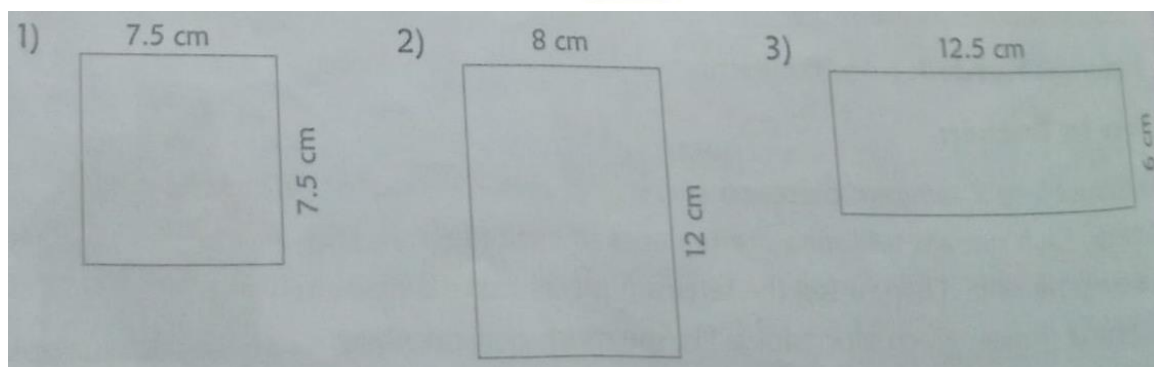
$$= 7 \text{ m} \times 3 \text{ m} \times 14 \text{ m}$$

$$\text{Answer} = 294 \text{ cu . m}$$

4) Find the area of the following figure. Give your answer in sq. units.



5) Find the area of each of the following figures.



1) sol- Side = 7.5 cm

Area of a square = side $\times$ side

$$= 7.5 \text{ cm} \times 7.5 \text{ cm} = 56.25 \text{ sq.cm.}$$

2) Sol- Length = 12 cm

Breadth = 8 cm

Area of a rectangle = length $\times$ breadth

$$= 12 \text{ cm} \times 8 \text{ cm} = 96 \text{ sq. cm.}$$

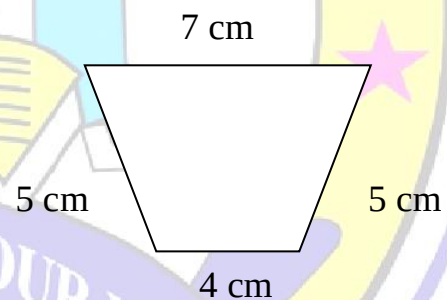
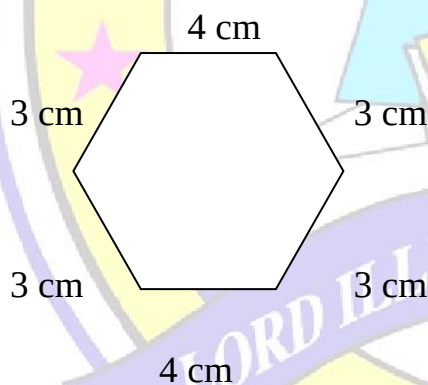
3) Sol- Length = 12.5 cm

Breadth = 6 cm

Area of a rectangle = length $\times$ breadth

$$= 12.5 \text{ cm} \times 6 \text{ cm} = 75 \text{ sq. cm.}$$

6) Find the perimeter of the following figures.

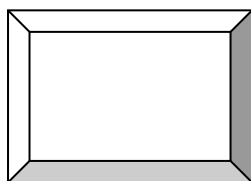


$$\text{Sol- Perimeter} = (7+5+4+5)\text{cm} = 21 \text{ cm}$$

$$\text{Sol- Perimeter} = (4+3+3+4+3+3)\text{cm} = 20 \text{ cm}$$

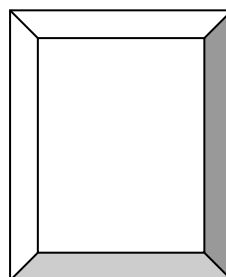
7) Find the perimeter of the following objects in your house.

1) 0.8 cm



50 cm

2) 90 cm



1) Sol- length = 0.8 c m

Breadth = 50 c m

Perimeter of a rectangle = $2 (l + b)$

$$= 2 (0.8 \text{ cm} + 50 \text{ cm})$$

$$= 2(50.8 \text{ cm})$$

$$= 101.6 \text{ cm}$$

2) Sol - Side = 90 cm

Perimeter of a square = $4 \times \text{side}$

$$= 4 \times 90 \text{ cm} = 360 \text{ cm.}$$

8) Find the distance in each case.

1) Speed: 35 km/h

Time: 1 hour

Distance = Speed $\times$ Time

$$= 35 \times 1 = 35 \text{ km}$$

2) Speed: 16 km/h

Time: 4 hours

Distance = Speed $\times$ Time

$$= 16 \times 4 = 64 \text{ km}$$

3) Speed: 24 m/s

Time: 30 seconds

Distance = Speed $\times$ Time

$$= 24 \times 30 = 720 \text{ m}$$

4) Speed: 120 k m/h

Time: 2 hours

Distance = Speed $\times$ Time

$$= 120 \times 2 = 240 \text{ m}$$

9) Add.

i) min s

$$\begin{array}{r} 30 \quad 49 \\ + 16 \quad 33 \\ \hline 46 \quad 82 \end{array}$$

= 47min 22 sec.

ii) h min s

$$\begin{array}{r} 8 \quad 54 \quad 42 \\ + 2 \quad 10 \quad 37 \\ \hline 10 \quad 64 \quad 79 \end{array}$$

= 11h 05min 19 sec.

10) Subtract.

i) min s

$$\begin{array}{r} 7 \quad 39 \\ - 5 \quad 14 \\ \hline 2 \quad 25 \end{array}$$

ii) h min s

$$\begin{array}{r} 6 \quad 19 \quad 42 \\ - 3 \quad 40 \quad 30 \\ \hline 2 \quad 79 \quad 12 \end{array}$$

= 3 h 19 min 12 sec.

11) Solve.

i) m dm cm

$$\begin{array}{r} 6 \quad 4 \quad 5 \\ \times \quad \quad 8 \\ \hline 51 \quad 6 \quad 0 \end{array}$$

ii) Divide 7 km 332 by 4.

$$\text{Ans} = 1833$$

12) Find the time in each case.

1) Distance: 400 km

Speed: 100 km/h

$$\text{Time} = \frac{\text{Distance}}{\text{Speed}} = \frac{400 \text{ km}}{100 \text{ hr}} = 4 \text{ hours}$$

2) Distance: 740 km

Speed: 74 km/h

$$\text{Time} = \frac{\text{Distance}}{\text{Speed}} = \frac{740 \text{ km}}{74 \text{ hr}} = 10 \text{ hours}$$

3) Distance: 900 m

Speed: 30 m/s

$$\text{Time} = \frac{\text{Distance}}{\text{Speed}} = \frac{900 \text{ m}}{30 \text{ s}} = 30 \text{ seconds}$$

4) Distance: 11 m

Speed: 11 m/s

$$\text{Time} = \frac{\text{Distance}}{\text{Speed}} = \frac{11 \text{ m}}{11 \text{ s}} = 1 \text{ seconds}$$

13) Change the following temperatures into Fahrenheit scale .

i) 80°C

ii) 75°C

$$\text{sol- } F = \frac{^{\circ}\text{C} \times 9}{5} + 32$$

$$F = \frac{80^{\circ} \times 9}{5} + 32$$

$$F = 16^{\circ} \times 9 + 32$$

$$F = 144^{\circ} + 32 = 176^{\circ} \text{ F}$$

ii) sol- $F = \frac{^{\circ}\text{C} \times 9}{5} + 32$

$$F = \frac{75^{\circ} \times 9}{5} + 32$$

$$F = 15^{\circ} \times 9 + 32$$

$$F = 135^{\circ} + 32 = 167^{\circ} \text{ F}$$

14) Change the following temperatures into Celsius scale .

i) 95°F

ii) 194°C

sol- $C = \frac{(^{\circ}\text{F} - 32)}{9} \times 5$

$$C = \frac{(95^{\circ} - 32)}{9} \times 5$$

$$C = \frac{(63^{\circ})}{9} \times 5$$

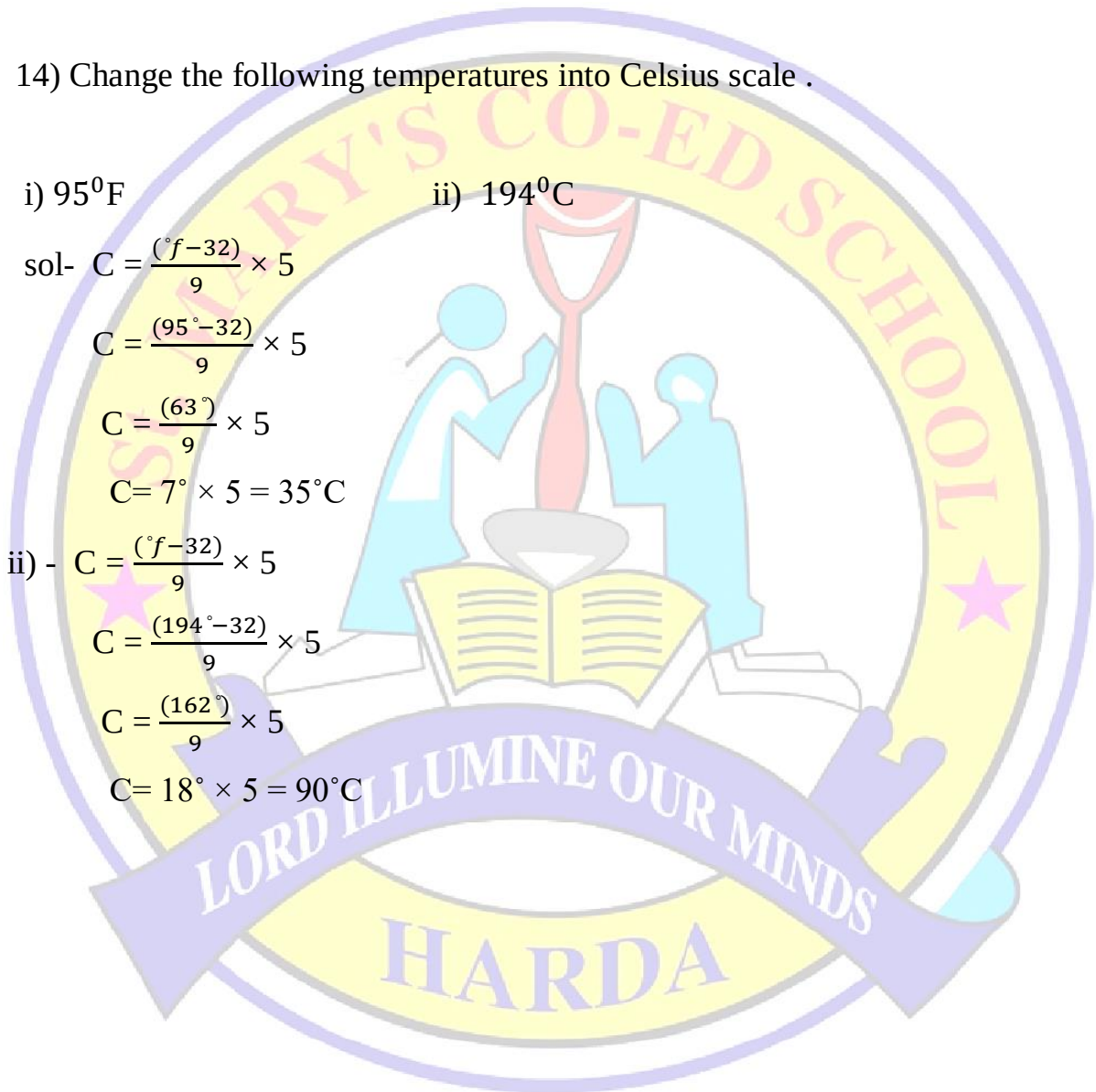
$$C = 7^{\circ} \times 5 = 35^{\circ}\text{C}$$

ii) - $C = \frac{(^{\circ}\text{F} - 32)}{9} \times 5$

$$C = \frac{(194^{\circ} - 32)}{9} \times 5$$

$$C = \frac{(162^{\circ})}{9} \times 5$$

$$C = 18^{\circ} \times 5 = 90^{\circ}\text{C}$$



15) Measure and calculate volume of the following objects.

1) Length = 5cm

Breadth = 2cm

Height = 1 cm

Volume of a cuboid = length x breadth x height

$$= 2\text{cm} \times 5\text{cm} \times 1\text{cm}$$

$$= 10 \text{ cu. cm}$$

2) Length = 8 cm

Breadth = 8 cm

Height = 8 cm

Volume of a cuboid = length x breadth x height

$$= 8\text{cm} \times 8\text{cm} \times 8\text{cm}$$

$$= 512 \text{ cu . cm}$$

3) length = 8cm

Breadth = 3 cm

Height = 6 cm

Volume of a cuboid = length x breadth x height

$$= 6\text{cm} \times 3\text{cm} \times 8 \text{ cm}$$

$$= 144 \text{ cu . cm.}$$

4) length = 20 mm

Breadth = 14 mm

Height = 14 mm

Volume of a cuboid = length x breadth x height

$$= 14\text{mm} \times 14\text{mm} \times 20\text{mm}$$

$$= 3920 \text{ cu . mm}$$

Revision -4

Problem Solving Ability

1) A car covers 176 km in 4 hours. Find the speed at which it travels.

Sol- Distance =176 km

Time = 4 hours

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}} = \frac{176 \text{ km}}{4 \text{ hr}} = 44 \text{ km}$$

2) An athlete covers a distance of 300 m in 25 seconds. What is the speed at which he runs?

Sol- Distance = 300 m

Time = 25 second

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}} = \frac{300 \text{ m}}{25 \text{ s}} = 12 \text{ seconds}$$

3) If an antelope runs for 40 seconds at the speed of 4 m/s, how much distance will it cover in that time?

Sol- Speed: 4 m/s

Time: 40 seconds

$$\begin{aligned} \text{Distance} &= \text{Speed} \times \text{Time} \\ &= 4 \times 40 = 160 \text{ m} \end{aligned}$$

4) If an aeroplane is flying at a speed of 1500 km/h, how much time will it take to cover 3000 km?

Sol- Speed: 1500 k m/h

Distance : 3000 km

$$\text{Time} = \frac{\text{Distance}}{\text{Speed}} = \frac{3000 \text{ km}}{1500 \text{ hr}} = 2 \text{ hrs}$$

5) One side of a square garden is 18 m. Radha walked around the entire boundary of the garden.

What is distance covered by Radha?

Sol- side = 18 m

Perimeter of a garden = $4 \times \text{side}$

$$= 4 \times 18 \text{ m} = 72 \text{ m.}$$

6) Shantiram Wants to fence his rectangular field measuring 150 m .in length and 180 m. in breadth.

How much wire will he need?

Sol- length = 150 m

Breadth = 180 m

Perimeter of a rectangular field = $2 (l + b)$

$$= 2 (150 \text{ m} + 180 \text{ m})$$

$$= 2(330 \text{ m})$$

$$= 660 \text{ m.}$$

7) If each side of a square measures 3.4 cm. find its area.

Sol- side = 3.4

Area of a square = side $\times$ side

$$= 3.4 \text{ cm} \times 3.4 \text{ cm} = 11.56 \text{ sq.cm.}$$

8) The length of the rectangle 15 cm. Its breadth is 8 cm .find its area.

Sol- Length = 15 cm

Breadth = 8 cm

Area of a rectangle = length $\times$ breadth

$$= 15 \text{ cm} \times 8 \text{ cm} = 120 \text{ sq. cm.}$$

9) Mrs. Rao's bank locker is 15 cm in length , 8 cm in breadth and 12 cm in height . what is the volume of the locker ?

Solution = Length = 15 cm ,

Breadth = 8 cm

Height = 12 cm

Volume of a cuboid = length x breadth x height

$$= 15 \text{ cm} \times 8 \text{ cm} \times 12 \text{ cm}$$

$$= 1440 \text{ cu . cm}$$

10) Each side of a cube is 13 cm . find its volume .

Solution = Side = 13 cm

Volume of cube = side x side x side

$$= 13 \text{ cm} \times 13 \text{ cm} \times 13 \text{ cm}$$

$$= 2197 \text{ cu . cm}$$

11) Kiran was given 10 hours to complete her assignment. She completed it in 7 h 10 min . How much time did she save ?

Ans: Time given to complete her assignment = 10 hpurs

She completed her assignment = 7 h 10 min

$$\text{Duration} = 10 \text{ hours} - 7 \text{ h } 10 \text{ min}$$

$$= 2 \text{ hours } 50 \text{ min}$$

12) The Kalka Mail was to leave for Kolkata at 09:45 pm . It left 1 h 20 min late .

What time did it leave ? h min

Ans: Timing of the train = 9 : 45 p m

The train late for = 1 : 20

$$= 9:45 - 10 : 45 + 20 \text{ min}$$

$$= 10: 45 + 20 \text{ min} = 11:05 \text{ pm}$$

Ans= It leave on 11:05 pm

13) Mrs.Verma took 2 h 19 min 52 s to prepare chapatis , 1 h 30 min 5 s to prepare curry and 43 min 27 s to prepare vegetable . How much time did she take altogether ?

	h	min	s
Ans: For preparing chapattis	2	19	52
For preparing curry	+	1	30 5
For preparing vegetable	+	0	43 27
Total time =	3	92	84
	=	4 hrs	33 min 24 s
	=	She take 4 hrs 33 min 24 s	

14) Veena's exams began on November 18th and got over on the last day of November. How long were her exams ?

Solution: Exams began on 18th November

Exams over on 30th November

18 November to 30 November

Ans: 13 days

15) Sita started her singing classes on Children's Day and finished her course on Christmas Eve .

How many days did she learn singing ?

Solution:

Started her class on Children's Day 14 Nov

Finished her course on Christmas Eve 25th Dec

14 Nov--- 14 Dec --- 25 Dec

1 month + 12 days

30 days + 12 days

= 42 days

Ans: She learn singing for 42 days

16) Your European friend has landed in Rajasthan where the temperature is 42°C .

He wants to know how much will that be in degree Fahrenheit .

Help him know the correct answer .

Solution: Temperature in Celsius = 42°C

Temperature in Fahrenheit $F = \frac{^{\circ}\text{C} \times 9}{5} + 32$

$$F = \frac{42^{\circ} \times 9}{5} + 32$$

$$F = 8.5^{\circ} \times 9 + 32$$

$$F = 75.6^{\circ} + 32 = 107.6^{\circ}\text{F}$$

17) The temperature of Mumbai at day time is 35°C . In night time, it is 10°F less.

What is the temperature of Mumbai in $^{\circ}\text{F}$ during night time ?

Solution= Temperature at day time = 35°C

Temperature at day time in Fahrenheit = $F = \frac{^{\circ}\text{C} \times 9}{5} + 32$

$$F = \frac{35^{\circ} \times 9}{5} + 32$$

$$F = 7^{\circ} \times 9 + 32$$

$$F = 63^{\circ} + 32 = 95^{\circ}\text{F}$$

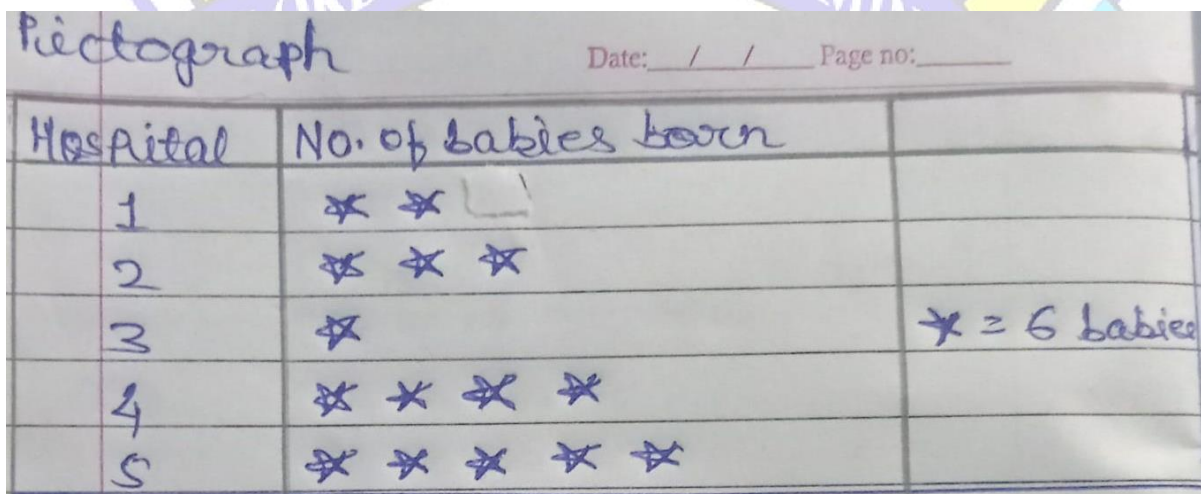
Temperature in night time = 10°F less

Temperature in night time = $95^{\circ}\text{F} - 10^{\circ}\text{F} = 85^{\circ}\text{F}$

D) Represent the given information through a pictograph. Suggest a scale to represent each picture and give it a title.

1) Number of babies born in 5 hospitals of a city in July 2014.

Hospital 1	Hospital 2	Hospital 3	Hospital 4	Hospital 5
12	18	6	24	30



2) The daily production of electric bulbs in a factory for a week.

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
150	125	175	200	100	150

