

REVISION # 6 (All together) - Solved

I Fill in the blanks:

1. Annual salary = Monthly salary x 12 months.
2. Simple interest = $\frac{\text{Principal} \times \text{Rate} \times \text{Time}}{100}$
3. salaries are usually calculated monthly or annually.
4. Wages are calculated on an hourly, daily or weekly rate.
5. Any side of a triangle can be the base.
6. Area of a triangle = $\frac{1}{2} \times \text{base} \times \text{height}$
7. Area of a rectangle = length x breadth
8. Area of a square = side x side
9. Volume of a cuboid = length x breadth x height
10. The volume of a cube = side x side x side.
11. The volume of a solid is the amount of space it occupies.
12. Average or mean = Total amount / number of items
13. Total amount = Average or mean x number of items.
14. We can present the same data using different types of graphs.
15. Bar graph can be drawn in vertical or horizontal forms.
16. Pie chart is also known as a circle graph.

II. Solve the following:

1. Munir earns \$ 1500 per month. What is Munir's annual salary?

$$\text{Monthly salary} = \$ 1500$$

$$\text{Annual salary} = \text{monthly salary} \times \underline{12 \text{ months}}$$

$$= \$ 1500 \times 12 \text{ months}$$

$$\text{Annual salary} = \$ 18000$$

2. A rectangular tank measuring 50 cm by 30 cm by 20cm is filled with sand. Find the volume of the sand in cubic centimeters.

$$\text{Volume of rectangular tank} = \text{length} \times \text{breadth} \times \text{height}$$

$$l \times b \times h = 50\text{cm} \times 30\text{cm} \times 20\text{cm}$$

$$= 1500 \times 20\text{cm}^3$$

$$\text{Volume of the sand} = 30000\text{cm}^3$$

3. A student scored 100 marks for 4 subjects. What was his average mark?

$$\text{Mean} = \frac{\text{total marks}}{\text{number of subjects}} = \frac{100}{4}$$

$$\text{Mean} = 100 \div 4 = 25 \text{ marks}$$

$$\text{Mean/ average mark} = 25 \text{ marks}$$