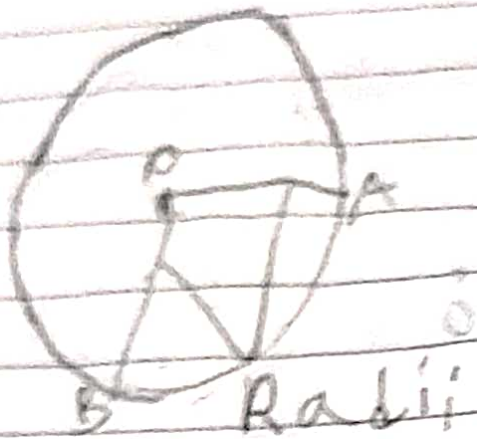


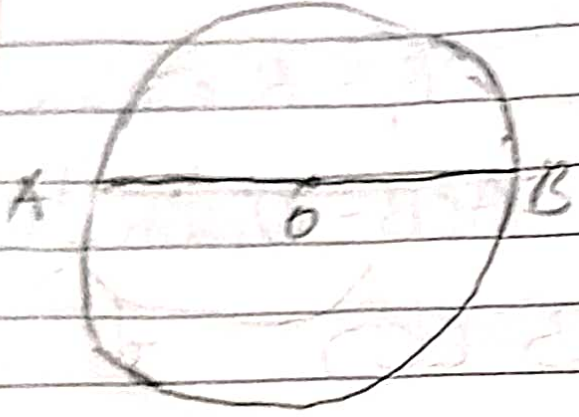
25/11/14 Exercise - 13 (C)

1. Draw the radius and diameter in the following circles.

a



b



2*. Fill in the blanks

a. Diameter is twice the ~~is~~ radius of a circle.

b. Radius ~~is~~ of a circle is the distance from the centre to the circumference.

c. A circle has no sides.

d. Diameter of the circle always passes through

the centre.

e. Radius of a circle is half the diameter of the circle.

3. Find the radii of the circles whose diameters are given as follows:

a. $12 \text{ cm} = D = 12 \text{ cm}$ Radius = $\frac{\text{Diameter}}{2}$

$$R = \frac{12}{2} = 6 \text{ cm}$$

$$\text{Radius} = 6 \text{ cm}$$

b. $22 \text{ cm} = \frac{\text{Radius} \times 2}{\text{Diameter}}$

$R = \frac{22}{2} = 11 \text{ cm}$

c. $18 \text{ cm} = \frac{\text{Radius} \times 2}{\text{Diameter}}$

$R = \frac{18}{2} = 9 \text{ cm}$

d. $24 \text{ cm} = \frac{\text{Radius} \times 2}{\text{Diameter}}$

$R = \frac{24}{2} = 12 \text{ cm}$

e. $30 \text{ cm} = \frac{\text{Radius} \times 2}{\text{Diameter}}$

$R = \frac{30}{2} = 15 \text{ cm}$

4. Find the diameters of the circles whose radii are given as follows:

a. $15 \text{ cm} = R = 15 \text{ cm}$

$$\text{Diameter} = 2 \times \text{Radius} \\ = 2 \times R$$

$$D = 2 \times 15 = 30 \text{ cm}$$

$$\text{Diameter} = 30 \text{ cm}$$

b. $11 \text{ cm} = R = 11 \text{ cm}$

$$\text{Diameter} = 2 \times \text{Radius} \\ = 2 \times R$$

$$D = 2 \times 11 = 22 \text{ cm}$$

$$\text{Diameter} = 22 \text{ cm}$$

$$c. 21 \text{ cm} = R = 21 \text{ cm}$$

$$\text{Diameter} = 2 \times \text{Radius} \\ = 2 \times R$$

$$D = 2 \times 21 = 42 \text{ cm}$$

$$\text{Diameter} = 42 \text{ cm}$$

$$d. 9 \text{ cm} = R = 9 \text{ cm}$$

$$\text{Diameter} = 2 \times \text{Radius} \\ = 2 \times R$$

$$D = 2 \times 9 = 18 \text{ cm}$$

$$\text{Diameter} = 18 \text{ cm}$$

$$e. 25 \text{ cm} = R = 25 \text{ cm}$$

$$\text{Diameter} = 2 \times \text{Radius} \\ = 2 \times R$$

$$D = 2 \times 25 = 50 \text{ cm Diameter} = 50 \text{ cm}$$