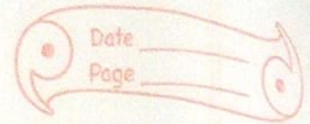
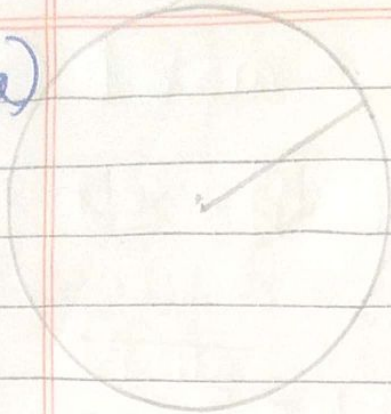


CW
25-11-21

Ex-13 (C)

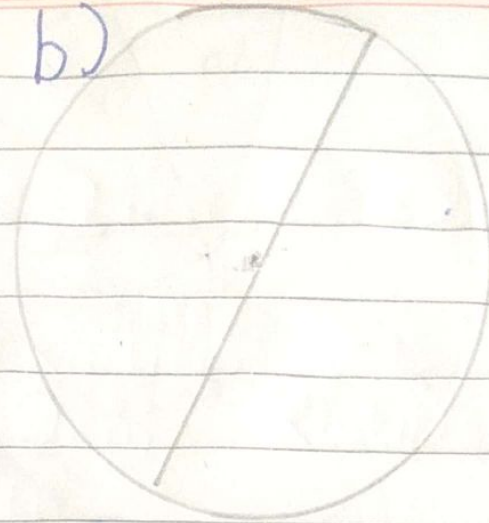


1. a)



Radius

b)



Diameter

2. a) Diameter is double the radius of a circle.

b) Radius of a circle is the distance from the ^{centre} ~~point~~ to the circumference of a circle.

c) A ~~circle~~ circle has 0 sides.

d) Diameter of the circle always passes through the centre.

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

3. a) 12 cm

$$D = 12 \text{ cm}$$

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

$$\text{Radius} = \frac{\text{Diameter}}{2}$$

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

b) 22 cm

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

$$\text{Radius} = 11 \text{ cm}$$

$$\text{Radius} = \frac{D}{2}$$

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

d) 18 cm

$$\text{Radius} = \frac{D}{2} \quad D = 18$$

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

d) 24 cm

$$D = 24 \quad \text{Radius} = \frac{D}{2}$$

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

e) 30 cm

$$D = 30 \quad \text{Radius} = \frac{D}{2}$$

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

4. a) 15 cm

radius = 15 cm

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

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

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

b) 11 cm

$r = 11 \text{ cm}$ Diameter = 22 cm

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

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

c) 21 cm

$r = 21$ Diameter = 42 cm

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

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

d) 9 cm

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

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

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

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

e) 25 cm

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

$$\text{Diameter} = 50 \text{ cm}$$

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

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