The National Orthodox School Shmaisani

Name: ***worksheet (2) Math***

Date: **Grade-Section:7 (A)**

Objectives: Find the circumference and the area of a circle.

$$C = 2\pi r$$

$$A = \pi r^2$$

radius : r نصف القطر

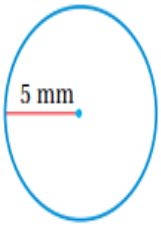
diameter : d القطر

Circumference : C المحيط

Area : A المساحة

$$\pi \approx 3.14 \approx \frac{22}{7}$$

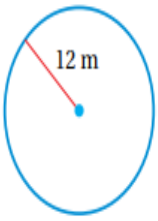
Examples :



$C = 2\pi r$

$\approx 2 \times 3.14 \times 5$

≈ 31.4



$A = \pi r^2$

$\approx 3.14 \times (12)^2$

≈ 452.16

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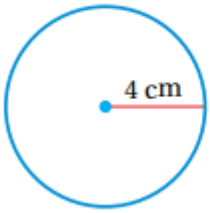
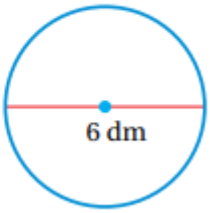
Exercise (1): find the circumference and area of each circle.

(Use $\pi = 3.14$)

1



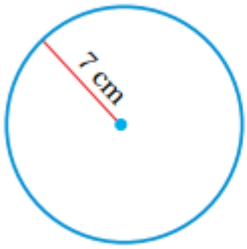
2



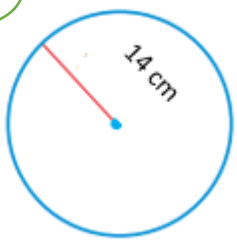
Exercise (2): find the circumference and area of each circle.

(Use $\pi = \frac{22}{7}$)

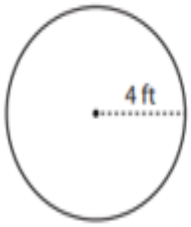
1



2



Example :



Area of a circle = πr^2

Radius (r) = 4 ft

Area = πr^2

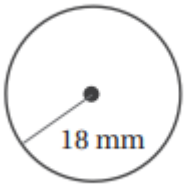
= π x 4 x 4

Area = **16π ft^2**

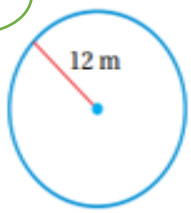
Exercise* (3): *find the circumference and area of each circle.

(in terms of π)

1



2



Teacher : wisam al mashni