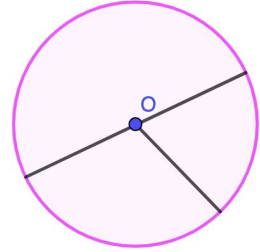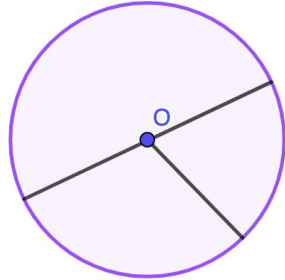# CIRCLE & SPHERE

8TH GRADE
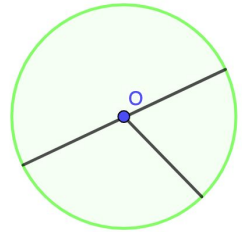

If the radius is 1,5, what is the diameter ?
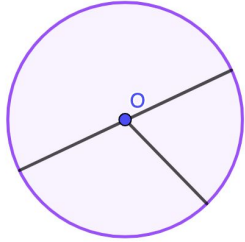

If the radius is 3, what is the diameter ?
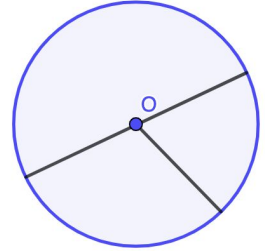

If the radius is 2,75, what is the diameter ?
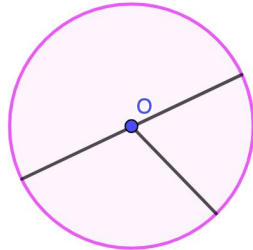
#4

If the radius is 0,5, what is the diameter ?
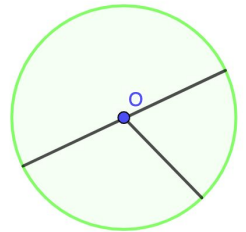
#6

If the diameter is 1,6, what is the radius ?

#5

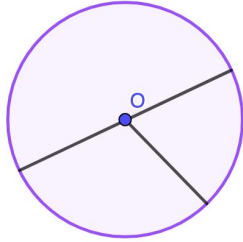If the diameter is 0,8, what is the radius ?

#7

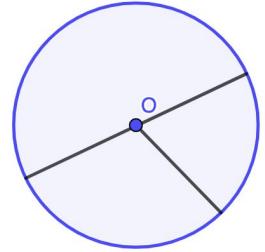If the diameter is 25, what is the radius ?
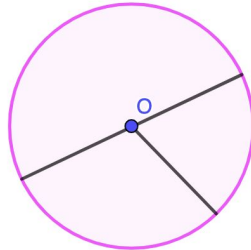
#8

If the diameter is 76, what is the radius ?

#10

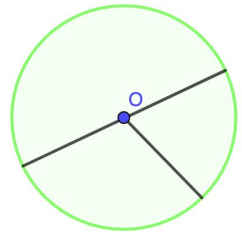If the radius is 4,2, what is the diameter ?

#9

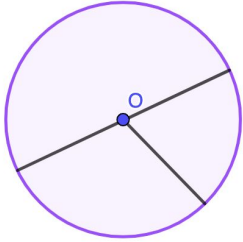If the diameter is 180, what is the radius ?

#11

If the radius is 16, what is the perimeter ?

#12

If the diameter is 28, what is the perimeter ?
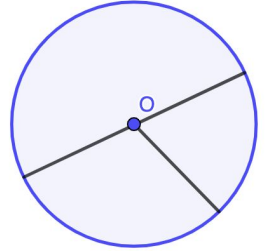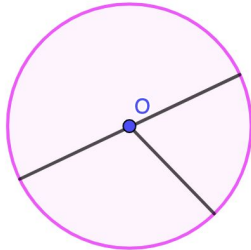
#14

If the radius is 7,5, what is the perimeter ?
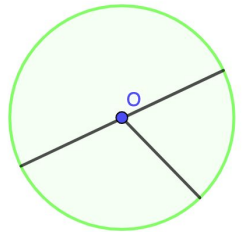
#13

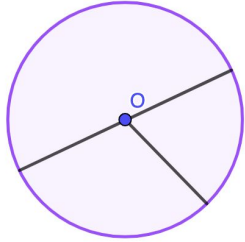If the radius is 40, what is the perimeter ?

#15

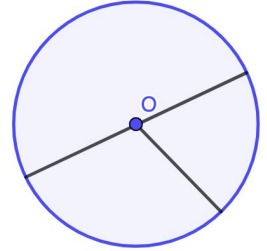If the diameter is 25, what is the perimeter ?
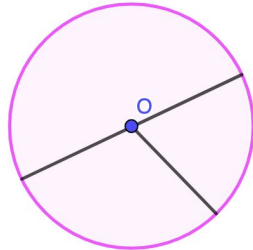
#16

If the radius is 0,5, what is the perimeter ?

#18

If the diameter is 8, what is the area ?

#17

If the radius is 6, what is the area ?

#19

If the diameter is 1,4, what is the area ?
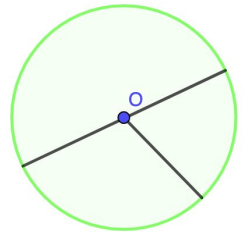
#20

If the radius is 0,3, what is the area ?

#21

If the radius is 3,5, what is the area ?
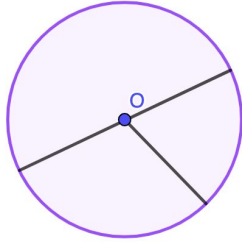
#22

Hamsters like to run in their wheel. How far, in meters, does a hamster travel if the wheel turns 150 times? The radius of the wheel is 10 cm.

#23

A circus ring has a diameter of 13 m. Knowing that we plan 65 cm to install a person and an opening of 6 m for the entry of the artists, calculate the number of people who can be placed in the first row.

#24

Calculate the perimeter of a circle with an area of 28.27 cm². Round the result to the nearest unit.
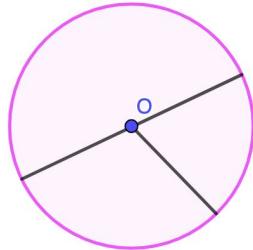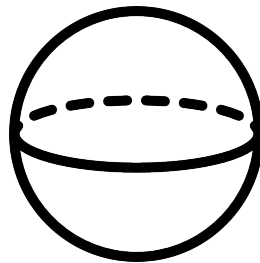
#26

Calculate the area of this sphere.

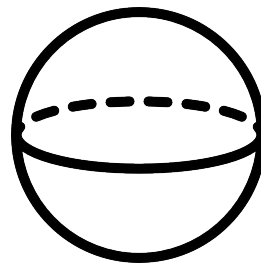

Diameter = 16in

#25

Calculate the area of a disc with a perimeter of 3.14 m. Use 3.14 as the rounded value of π.

#27

Calculate the volume of this sphere.

Diameter = 8m

#28
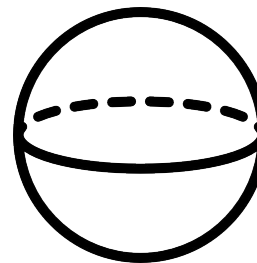
Calculate the volume of this sphere.
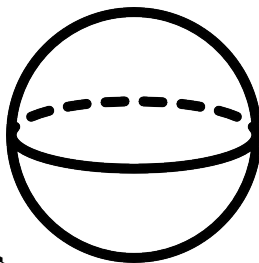
Diameter = 9ft

#30
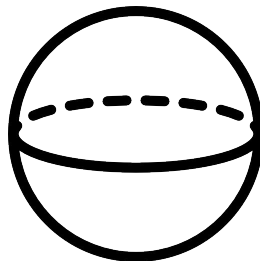
Calculate the volume of this sphere.

Radius = 7m

#29

Calculate the volume of this sphere.

Radius = 4ft

TASK CARDS - ANSWERS

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

1	2	3	4	5	6
6	3	5.5	1	0.4	0.8

7	8	9	10	11	12
12.5	38	90	8.4	32π	28π

13	14	15	16	17	18
80π	15π	25π	π	36π	16π

19	20	21	22	23	24
0.49π	0.36π	12.25π	94.25m	53 peaple	19cm

25	26	27	28	29	30
0.785m²	2143.57	267.95	381.51	267.95	1436.03