ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

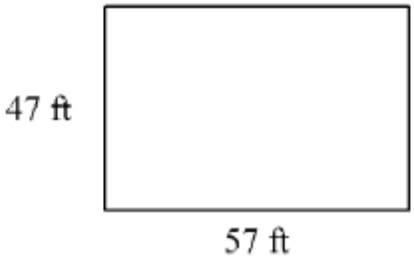
Sub: Arithmetic **Class: 7** **Date: 24.04.20**

Duration: 40 min **Worksheet 10** **Full Marks: 15**

PERIMETER AND AREA CONTINUED

Choose the Correct options:

1. Find the perimeter of the rectangle. The drawing is not to scale.



a. 151 feet b. 208 feet c. 161 feet d. 104 feet

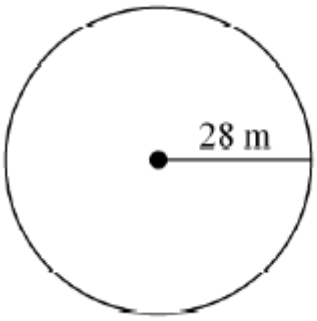
2. Ken is adding a ribbon border to the edge of his kite. Two sides of the kite measure 9.5 inches, while the other two sides measure 17.8 inches. How much ribbon does Ken need?

a. 45.1 in. b. 27.3 in. c. 54.6 in. d. 36.8 in.

3. Jose wants to put a fence around his rectangular garden. His garden measures 33 feet by 39 feet. The garden has a path around it that is 3 feet wide. How much fencing material does Jose need to enclose the garden and path?

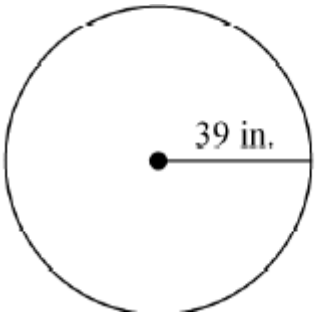
a. 120 ft b. 156 ft c. 168 ft d. 84 ft

4. Find the circumference of the circle to the nearest tenth. Use 3.14 for π.



a. 2461.8 m b. 175.8 m c. 87.9 m d. 351.7 m

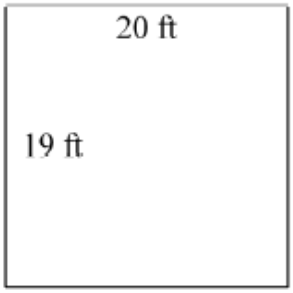
5. Find the circumference of the circle in terms of π .



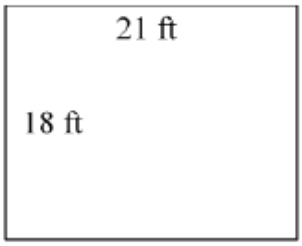
a. 156π in. b. 39π in. c. 1521π in. d. 78π in.

6. Jennifer has 78 feet of fencing to make a rectangular vegetable garden. Which dimensions will give Jennifer the garden with greatest area? The diagrams are not to scale.

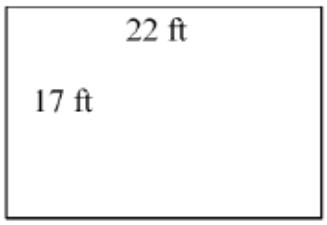
a.



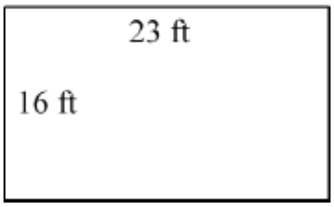
c.



b.



d.



7. If the perimeter of a square is 72 inches, what is its area?

a. 72 in. ^{2}

b. 324 in. ^{2}

c. 18 in. ^{2}

d. 5,184 in. ^{2}

8. Find the area of a rectangle with base of 2 yd and a height of 5 ft.

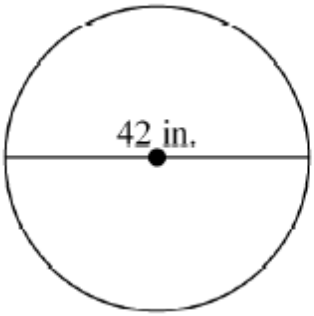
a. 10 yd^2

b. 30 ft^2

c. 10 ft^2

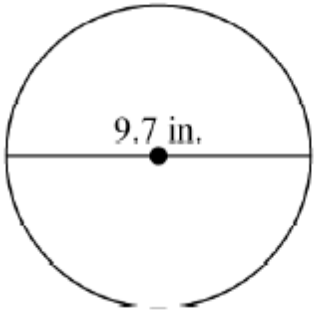
d. 30 yd^2

9. Find the area of the circle in terms of π .



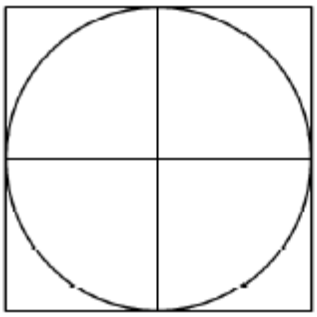
a. 42π in.^{2} b. 1764π in.^{2} c. 441π in.^{2} d. 84π in.^{2}

10. Find the area of the circle to the nearest tenth. Use 3.14 for π .



a. 30.5 in.^{2} b. 295.4 in.^{2} c. 60.9 in.^{2} d. 73.9 in.^{2}

11. Find, to the nearest tenth, the area of the region that is inside the square and outside the circle.



The circle has a diameter of 14 inches.

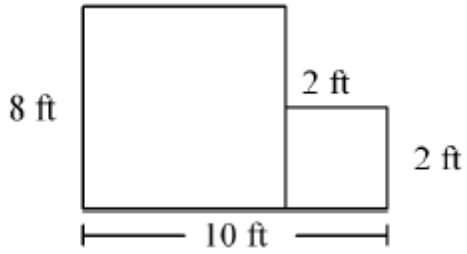
a. 42.1 in. ^{2}

b. 10.5 in. ^{2}

c. 153.9 in. ^{2}

d. 196 in. ^{2}

12. The figure is formed from rectangles. Find the total area. The diagram is not to scale.



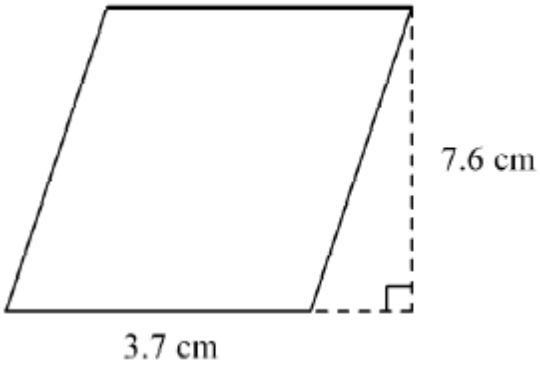
a. 104 ft^2

b. 36 ft^2

c. 80 ft^2

d. 68 ft^2

13. Find the area. The figure is not drawn to scale.



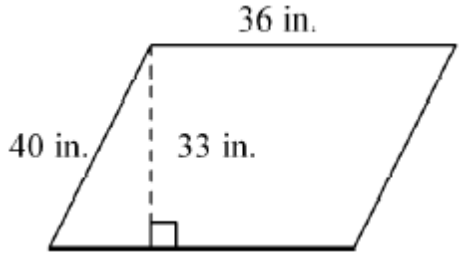
a. 28.12 cm^2

b. 3.9 cm^2

c. 11.3 cm^2

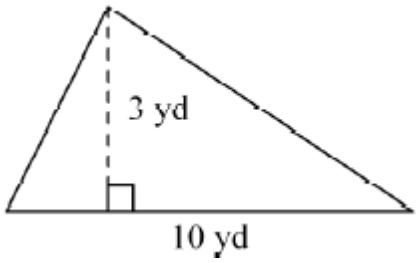
d. 56.24 cm^2

14. Find the area. The figure is not drawn to scale



a. 1188 $in.^2$ b. 69 $in.^2$ c. 138 $in.^2$ d. 1440 $in.^2$

15. Find the area. The figure is not drawn to scale



a. 30 yd^2 b. 6.5 yd^2 c. 13 yd^2 d. 15 yd^2