ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

Sub: Arithmetic	**Class: 7**	**Date: 15.02.21**
Duration: 40 Min	**Worksheet Solution 10**	**Full Marks: 15**
	PERIMETER AND AREA	

**Choose the correct options:**

1. The area of the path 1 m wide surrounding a playground 60 m long and 40 m broad is:
   a. 200 sq. m.
   b. 204 sq. m.
   c. 2604 sq. m.
   d. 240 sq. m.

2. A restaurant hall is 20 metre long, 15 metre wide. Its interior has to be covered with a carpet. What will be the total expenditure if it costs Rs. 60 per square metre?
   a. ₹ 20000
   b. ₹ 18000
   c. ₹ 17000
   d. ₹ 16000

3. What is the perimeter of this figure?

   a. 42 cm
   b. 49 cm
   c. 56 cm
   d. 63 cm
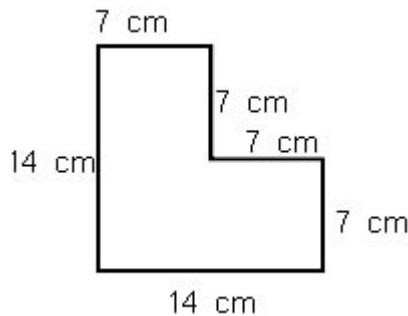
4. The length of one side of a square is 9 inches. What is the perimeter?
   a. 81 inches
   b. 36 inches
   c. 27 inches
   d. 18 inches

5. Mrs. Washington is putting up a wallpaper border around her son's bedroom. The bedroom is the shape of a rectangle that is 18 feet wide by 19 feet long. How many feet of border will Mrs. Washington need?
   a. 37 feet
   b. 72 feet
   c. 74 feet
   d. 76 feet

6. The perimeter of a parallelogram is 16 meters. One short side is 2 meters long. What is the length of one long side of the parallelogram?
   a. 2 meters
   b. 6 meters
   c. 18 meters
   d. 36 meters

Nilanjana Bhadra

7. Coach Hanks has his players run laps around the soccer field. What is the perimeter of the soccer field shown below? (Hint: P = 2l + 2w)

120 m

65 m
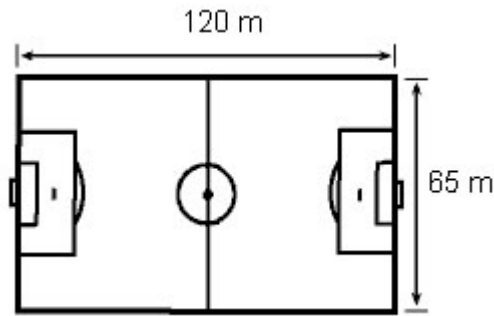
   a. 185 m
   b. 250 m
   c. 370 m
   d. 380 m

8. Nick's rectangular patio measures 9 feet wide and 12 feet long. What is the perimeter of the patio?
   a. 21 feet
   b. 42 feet
   c. 54 feet
   d. 108 feet

9. What is the area of the figure?

15 ft

7 ft

   a. 22 square feet
   b. 44 square feet
   c. 98 square feet
   d. 105 square feet

10. What is the area of a rectangle with a length of 15 m and a width of 5 m?
   a. 40 square meters
   b. 50 square meters
   c. 75 square meters
   d. 100 square meters

11. The perimeter of a square is 24 centimeters. What is the area of the square?
   a. 24 square centimeters
   b. 36 square centimeters
   c. 37 square centimeters
   d. 576 square centimeters

Nilanjana Bhadra

12. The perimeter of the rectangle shown below is 28 centimeters. What is the area of the rectangle?

6 cm

a. 12 square centimeters
b. 14 square centimeters
c. 36 square centimeters
d. 48 square centimeters

13. Find the length of the rectangle.

7 mi | Area = 56 sq mi

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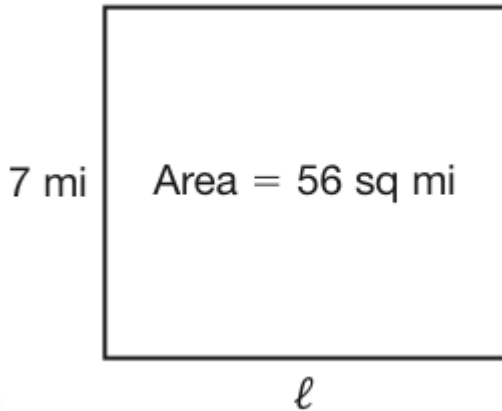
a. 4 mi
b. 8 mi
c. 21 mi
d. 30 mi

14. Nassim wants to build a kitchen table with a top that has an area of 20 square feet. Which dimensions make the most sense for the table?
a. 1 ft x 20 ft
b. 2 ft x 8 ft
c. 4 ft x 5 ft
d. 3 ft x 6 ft

15. A perimeter of a rectangle if 34 meters. The width is 4 meters. What would the length be?
a. 17 m
b. 13 m
c. 15 m
d. 18 m