ST. LAWRENCE HIGH SCHOOL
A Jesuit Christian Minority Institution

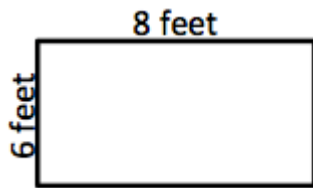**Sub: Arithmetic**   **Class: 7**   **Date: 13.02.21**
Duration: 40 Min   **Worksheet Solution 09**   **Full Marks: 15**
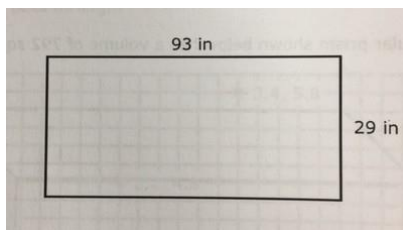### PERIMETER AND AREA

Choose the correct options:

A rectangle with an area of 30 square units and a side length of 6 has another side length of?
   a. 5 units
   b. 6 units
   c. 3 units
   d. 4 units

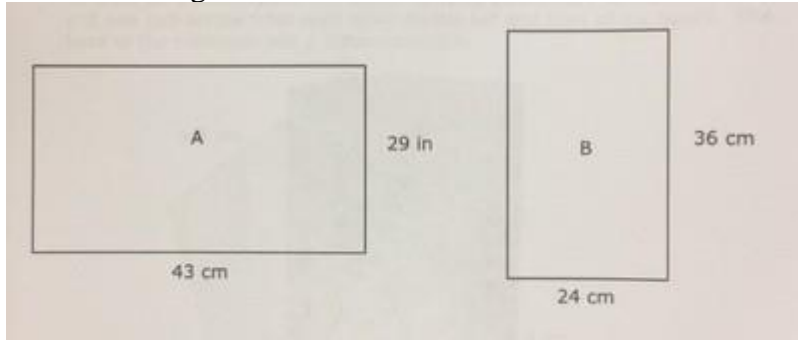2. What is the perimeter of the rectangle?

   a. 28 sq feet
   b. 28 feet
   c. 48 feet
   d. 48 sq feet

3. Shameka is putting a frame around her favorite rectangular picture. If the picture has a length of 4 inches and a width of 6 inches how many inches of wood does she need to frame the photo?
   a. 10 inches
   b. 16 inches
   c. 12 inches
   d. 20 inches

4. Jason wants to mow his rectangular lawn. If his lawn is 15 feet by 25 feet how many square feet does he have to mow?
   a. 80 ft^2
   b. 40 ft^2
   c. 375 ft^2
   d. 400 ft^2

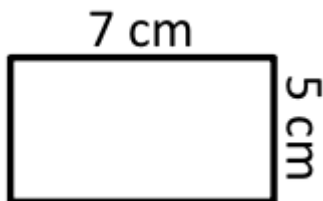5. What is the perimeter of the rectangle below?

   a. 122 in
   b. 2,697 in
   c. 244 in
   d. 344 in

6. Two rectangles are shown below.

How many more square feet are in rectangle A compared to rectangle B?
   a. 2,111 square feet
   b. 383 square feet
   c. 24 square feet
   d. 482 square feet

7. Marla has a garden with a length of 5 feet and a width of 3 feet. What is the area and perimeter of her garden?
   a. A = 8 square feet P = 16 feet
   b. A = 15 square feet P = 8 feet
   c. A= 15 square feet P = 16 feet
   d. A = 16 square feet P = 15 feet

8. If a rectangle is 9 cm by 2 cm, what is its perimeter? What is its area?
   a. Perimeter: 22 cm   Area: 18 squared cm
   b. Perimeter: 18 cm   Area: 22 squared cm
   c. Perimeter: 18 cm Area: 18 squared cm
   d. Perimeter: 20 cm Area: 22 squared cm

9. Mrs. Davis wanted to cover the classroom with new carpet. If the length of the classroom was 12 feet and the width was 8 feet. How much carpet would she need to buy?
   a. 20 feet
   b. 40 ft
   c. 96 square feet
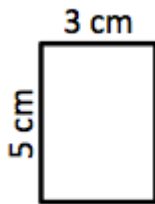   d. 40 square feet

10. What is the perimeter of the rectangle?

   a. 24 sq feet
   b. 24 feet
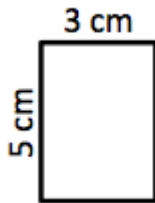   c. 35 feet
   d. 35 sq feet

11. What is the area?

7 yd

4 yd   4 yd

7 yd

a. 16 yd^2
b. 22 yd^2
c. 49 yd^2
d. 28 yd^2

12. What is the area of the rectangle?

3 cm

5 cm

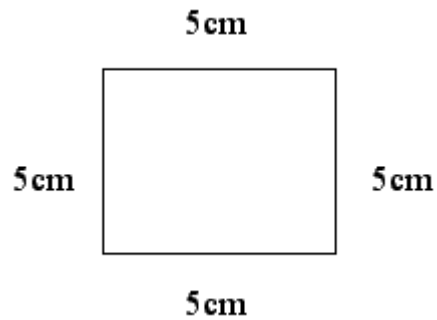**a. 15 sq cm**
b. 15 cm
c. 16 sq cm
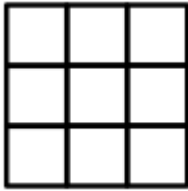d. 16 cm

13. What is the perimeter of the rectangle?

3 cm

5 cm

a. 15 cm
b. 16 cm
c. 15 sq cm
d. 15 cm

14. Find the PERIMETER of this figure.

5cm

5cm   5cm

5cm

a. 20 square feet
b. 20 cm
c. 25 square feet
d. 20 cm sq.

15 . What is the perimeter of this rectangle?

    a. 21 units
    b. 12 units
    c. 3 units
    d. None of the above.