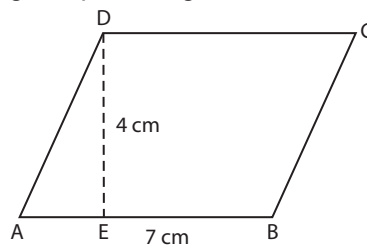
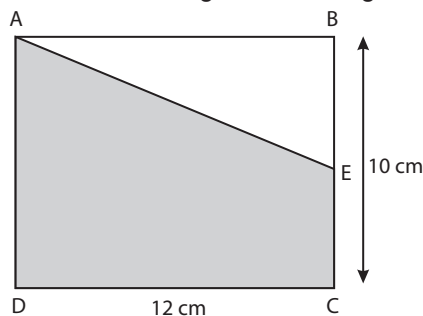


Worksheet

- Choose the correct option.
 - The base of a right-angled triangle is 6 units and its height is 9 units, then its area is
 - 27 sq. units
 - 54 sq. units
 - 18 sq. units
 - 7.5 sq. units
 - A circle has an area of 154 cm^2 . The radius of the circle is
 - 7 cm
 - 49 cm
 - 22 cm
 - 14 cm
 - If the area of a square is 324 cm^2 , the perimeter of the square is
 - 18 cm
 - 72 cm
 - 36 cm
 - 108 cm
 - The area of the given parallelogram is

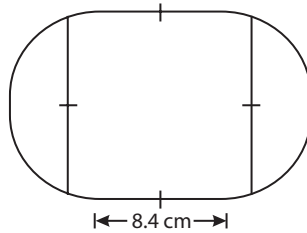


- 28 cm^2
 - 17 cm^2
 - 22 cm^2
 - 11 cm^2
- If the diagonals of a rhombus are 12 cm and 8 cm, then its area is
 - 48 cm^2
 - 20 cm^2
 - 96 cm^2
 - 40 cm^2
- Calculate the area and perimeter of the triangles whose sides are:
 - 17 cm, 10 cm, 21 cm
 - 6 cm, 4.8 cm, 3.6 cm
 - The sides of a triangle are in the ratio 5 : 4 : 3. If the area of the triangle is 216 cm^2 , find the dimensions of the triangle and the length of the altitude corresponding to the longest side.
 - Calculate the area of the shaded region of rectangle ABCD, where $BE = CE$.



- Find the area and perimeter of the following rectangles.
 - diagonal = 15 cm, length = 12 cm
 - diagonal = 26 cm, length = 10 cm
- A rectangular park whose length is 60 m and breadth is 45 m has two crosspaths, each 6 m wide. Find the area of the crosspaths and cost of levelling the paths at ₹12.50 per sq. metre.

7. If the area of a square is 72 cm^2 , find the length of its diagonal. Also, find the perimeter of the square.
8. If the length of the diagonals of a rhombus are 24 cm and 18 cm, find the area of the rhombus. Also, find the perimeter of the rhombus.
9. What is the area of a parallelogram whose base measures 8 cm and its corresponding height measures 5 cm?
10. How many times a wheel has to rotate to cover a distance of 66 km, if the radius of the wheel is 35 cm?
11. A wire bent in the form of a square encloses an area of 756.25 cm^2 . If the same wire is bent in the form of a circle, then what will be the area of the circle?
12. Find the area of the given figure:



Answers to Worksheet

- | | | | | |
|----------------------------------|-----------------------------------|-----------|------|------|
| 1. a. i | b. i | c. ii | d. i | e. i |
| 2. a. 84 cm^2 , 48 cm | b. 8.64 cm^2 , 14.4 cm | | | |
| 3. 30 cm, 24 cm, 18 cm, 14.4 cm | 4. 90 cm^2 | | | |
| 5. a. 108 cm^2 , 42 cm | b. 240 cm^2 , 68 cm | | | |
| 6. 594 m^2 , ₹ 7425 | 7. 12 cm, $24\sqrt{2} \text{ cm}$ | | | |
| 8. 216 cm^2 , 60 cm | 9. 40 cm^2 | 10. 30000 | | |
| 11. 962.5 cm^2 | 12. 126 cm^2 | | | |