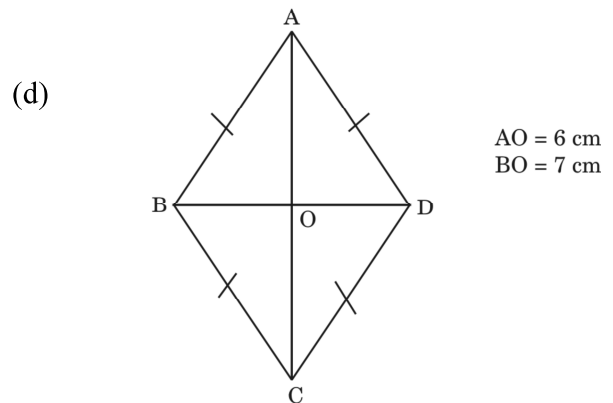
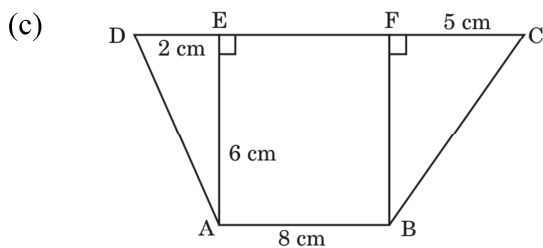
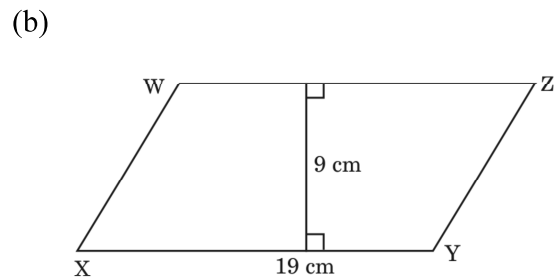
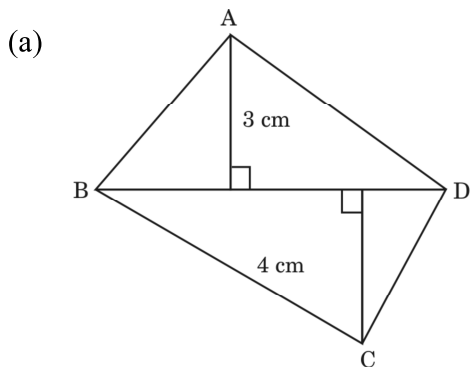


Chapter—11

Mensuration

1. Write 'True' or 'False' for the following statements :
 - (a) Every rectangle is a square.
 - (b) Diagonals of a rhombus bisect at right angles.
 - (c) Every rectangle is a parallelogram.
 - (d) Both diagonals of a parallelogram are equal.
 - (e) Rhombus is a parallelogram with all sides equal.
2. Area of a circle with diameter 14 cm. is _____.
3. Find the area of these figures:

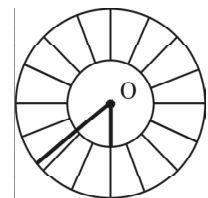


4. Area of a rhombus is 24 cm^2 . If one of its diagonal is 6 cm then its perimeter is _____ cm.

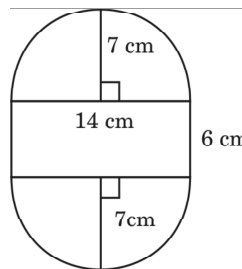
5. A cylindrical tower is 5 m. in diameter and 14 m. high. Find the cost of painting its curved surface at ₹ 25 per m².
6. Volume of a cubical box is 512000 cm³. Find its surface area.
7. The ratio of radii of two spheres is 1 : 3
 - (a) What is the ratio of their volumes?
 - (b) What is the ratio of their surface areas?
8. Kiran daily goes for morning walk in a park. which is 65 m long and 40 m wide. How many metres she walks daily if she takes 4 rounds of the park?
9. Find the values of a, b, c, d, e and f.

S. No	Shape	Radius	Height	Volume	Total surface Area.
1	Cylinder	11 cm.	14 cm.	<u>a</u>	<u>d</u>
2	Cone	7 cm.	24 cm.	<u>b</u>	<u>e</u>
3.	Sphere	21 cm.	<u>c</u>	<u>f</u>

10. Find the area of shaded portion, if radii of two circles are 15 cm and 13 cm.



11. What is the perimeter of the figure.



12. Two cylinders have the same radii of bases if their heights are 15 cm and 25 cm, then find the ratio of their volumes.
13. The internal dimensions of a hall are in the ratio 7 : 5 : 3. If the volume of the room is 2835 m³, then find the length of the hall.
14. Find the side of a cubical aquarium whose surface area is 48600 cm².
15. Wheel of a cycle with diameter 56 cm. completes 100 revolutions to reach the destination. Find the total distance covered.