

Chapter: 8

Q.1 Choose the correct alternative.

(3)

- 1) If one of the angle of Rhombus is 110° , find other 3 angles.

a. $110^\circ, 70^\circ, 70^\circ$	b. $70^\circ, 70^\circ, 70^\circ$
c. $110^\circ, 110^\circ, 70^\circ$	d. $100^\circ, 100^\circ, 100^\circ$
- 2) All the sides of Rhombus are

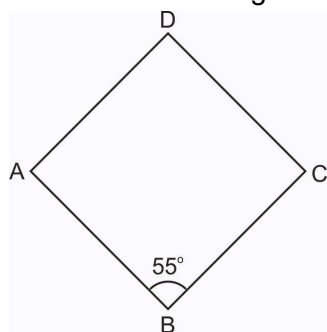
a. equal	b. unequal	c. perpendicular	d. None of these
----------	------------	------------------	------------------
- 3) The opposite angles of parallelogram are $(2x - 5)^\circ$ and $(x + 10)^\circ$. All the angels of parallelogram are

a. $25^\circ, 155^\circ, 25^\circ, 155^\circ$	b. $25^\circ, 165^\circ, 25^\circ, 165^\circ$
c. $35^\circ, 155^\circ, 35^\circ, 155^\circ$	d. None of these.

Q.2 Solve the following questions. (Any three)

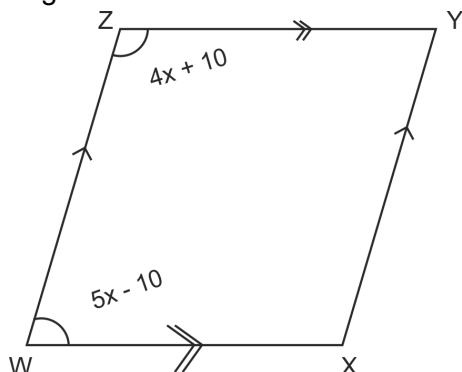
(9)

- 1) Measure of ane angle of Rhombus is 55° , find other three angles.



Prism
Colours of your Dreams

- 2) length of the diagonal of square is $\sqrt{18}$. Find the side and perimeter.
- 3) WXYZ is a parallelogram. $m\angle W = (5x - 10)^\circ$ $m\angle Z = (4x + 10)^\circ$. Find the measure of all angles.

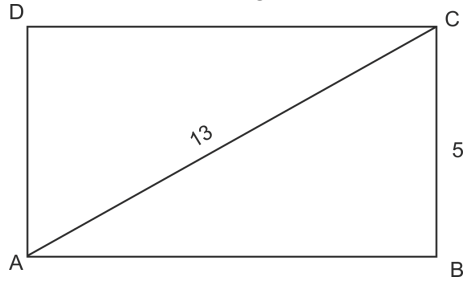


- 4) Draw a square of side 2.7 cm

Q.3 Answer the following (Any two)

(8)

- 1) Ratio of consecutive angles of a quadrilateral is 1:2:3:4. Find the measure of its each angle. Write, with reason, what type of a quadrilateral it is.
- 2) If the diagonal of rectangle is 13 cm and one of the side is 5cm. Find the other side and perimeter of rectangle.



- 3) Construct $\square PQRS$, such that $l(PQ) = 3.5$ cm, $l(QR) = 5.6$ cm, $l(RS) = 3.5$ cm, $m\angle Q = 110^\circ$, $m\angle R = 70^\circ$.

If it is given that $\square PQRS$ is a parallelogram, which of the given information is unnecessary?