

Polygons, Triangle and its types w.r.t sides

Q#1: Fill in the blanks by selecting the correct option.

- (i) An octagon has _____ (number of) sides.
- (ii) The amount of turn between two sides of a triangle is called a/an _____.
- (iii) Length, width, and height are the _____ of an object.
- (iv) A polygon has _____ sides.
- (v) An isosceles triangle has its two sides equal in length; its third side is called _____ of the triangle.



Q#2: Match the columns.

Column A

- A four-sided polygon
- A polygon having 7 angles
- "Lateral" means
- Two equal sides of an isosceles triangle
- A triangle with 3 sides different in measurement

Column B

- Legs of the triangle
- Scalene triangle
- Quadrilateral
- side
- Heptagon

Q#3: Select the correct option from the given word bank and drag it to fill in the blank.

- (i) A polygon that has 6 sides, 6 vertices, and 6 angles is called _____.
- (ii) In $\triangle NBZ$, $m\overline{NB} = m\overline{BZ} = 6m$ and $m\overline{NZ} = 10m$,
The type of this triangle w.r.t sides is a _____ triangle.
- (iii) "Poly" means many and "gon" means _____.
- (iv) The meeting point of two sides of a triangle is called its _____.
- (v) In triangle SRT , $m\overline{ST} = 22\text{ cm}$, $\overline{SR} = 18\text{ cm}$, and $m\overline{TR} = 12\text{ cm}$,
The type of this triangle w.r.t sides is a _____ triangle.

scalene

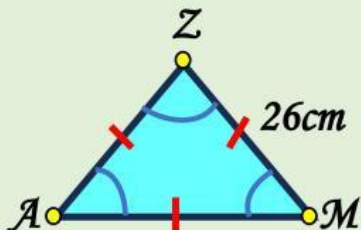
angle

vertex

isosceles

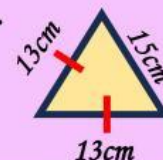
hexagon

Q#4(A): Look at the given triangle carefully, and fill in the blanks.



- (i) Vertices of the triangle are _____, _____, and _____.
- (ii) $m\overline{ZM} = m\overline{AM} = m\overline{AZ} =$ _____
- (iii) Type of triangle AZM w.r.t sides: _____
- (iv) $\overline{ZM}$, $\overline{AM}$, and $\overline{AZ}$ are the _____ of the triangle.
- (v) $\angle Z$, $\angle M$, and $\angle A$ are the _____ of $\triangle MAZ$.

Q#4(B): Look at the given triangle carefully, and choose the correct option.



Type of the triangle w.r.t sides:

Scalene Δ / Isosceles Δ

Length of base of the triangle:

15 cm / 13 cm

Length of each leg of the triangle:

15 cm / 13 cm