

Geometry and Shapes

Q#1: Select the correct option from the given list and put it in the blank.

- (i) A/an _____ has 8 vertices.
- (ii) Poly means _____ and gon means _____.
- (iii) Type of least sided polygon is _____.
- (iv) Quadrilateral is a _____ sided polygon.
- (v) Equi means _____ and lateral means _____.

equal
many
sides
octagon
angles
triangle
four

Q#2: Match the columns.

\overline{QR}

Ray QR

\overleftrightarrow{QR}

Isosceles triangle

In triangle ABC, $m\overline{AB} = m\overline{BC} = m\overline{CA}$

Line segment QR

Triangle having 2 sides equal in length

Line QR

Triangle having 3 angles different

Equilateral triangle

\overrightarrow{QR}

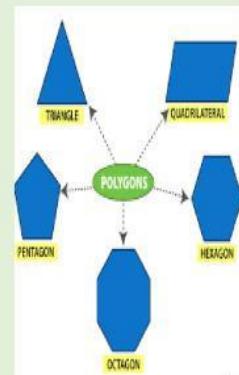
Scalene triangle

Q#3: Fill in the blanks by selecting the correct option.

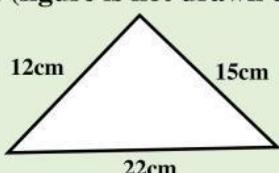
- (i) A hexagon has _____ (number of) sides.
- (ii) Point is a/an _____ dimensional shape.
- (iii) If $m\overline{FG} = m\overline{GH} = 6\text{cm}$ and $m\overline{FH}$ is the base of triangle, then it is a/an _____ triangle.
- (iv) If length of one side of an equilateral triangle is 7cm, then perimeter of triangle is _____.
- (v) Perimeter of triangle is _____ of length of its all sides.

Q#4: Choose the best option (only one) from the given options.

- (i) _____ has one end point and can be extended in other direction.
(Line / Line segment / Ray)
- (ii) Amount of turn in between two rays is called a/an _____.
(Angle / Arm / vertex)
- (iii) Meeting point of two rays in an angle is called a/an _____.
(Angle / Arm / vertex)

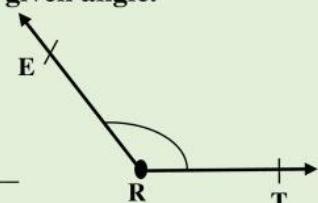


Q#5: Do the working on rough note book: and write perimeter of the following triangle. (figure is not drawn up to scale).



Perimeter of triangle: _____ cm

Q#6: Choose the option to fill in the blanks by looking at the given angle.



- (i) Vertex: _____
- (ii) \overrightarrow{RT} and \overrightarrow{RE} are the _____ of the angle.
- (iii) Name of angle: _____.