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SERIES - 1**IMP SERIES Introduced
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“CGBSE SUPPORT”****Important Questions
for Chhattisgarh
Board Exam ‘2021’**

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Class – 10th**Subject – Mathematics****“Geometrical Constructions”****4 Marks Questions.**

1. Construct a similar triangle which is $\frac{3}{5}$ of the given triangle.
2. Construct an isosceles triangle PQR. Also construct a triangle ABC in which $PQ = \frac{3}{4} AB$.
3. Construct a triangle PQR. Also Construct a triangle ABC in which $AB = \frac{2}{3}$ of PQ.
4. Construct two similar triangles. First triangle should be $\frac{4}{3}$ times the other triangle.
5. Construct in circle and circumcircle of triangle ABC When:
 - (i) $AB = 3\text{cm}$, $BC = 4\text{cm}$ and $\angle B = 90^\circ$. Also find the radius of the incircle and circumcircle.
 - (ii) $AB = BC = CA = 6\text{cm}$, where will the incentre and circumcenter be located?