



Chapter 6: Triangles

Mathematics Worksheet

Standard: 10th

Subject: Mathematics

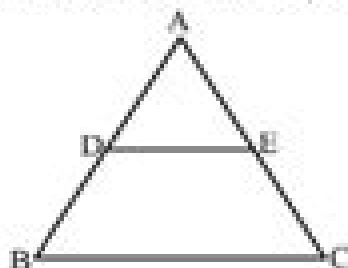
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Q1. Choose the correct answer from the given four options:

It is given that $\triangle ABC \sim \triangle PQR$, with $\frac{BC}{QR} = \frac{1}{3}$. Then, $\frac{\text{ar}(\triangle PQR)}{\text{ar}(\triangle ABC)}$ is equal to:

1. 9
2. 3
3. $\frac{1}{3}$
4. $\frac{1}{9}$

Q2. In an equilateral $\triangle ABC$, D is the midpoint of AB and E is the midpoint of AC. Then, $\text{ar}(\triangle ABC) : \text{ar}(\triangle ADE) = ?$



1. 2 : 1
2. 4 : 1
3. 1 : 2
4. 1 : 4

Q3. If perimeter of a triangle is 100cm and the length of two sides are 30cm and 40cm, the length of third side will be:

1. 30cm
2. 40cm
3. 50cm
4. 60cm

Q4. In $\triangle ABC$, a line XY parallel to BC cuts AB at X and AC at Y. If BY bisects $\angle XYC$, then:

1. $BC = CY$
2. $BC = BY$



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web answer d somewhere in region d justification with the test charge and c 1 being negative there is a repulsive force on the test charge to the right from c 2 there is an attractive force on the test charge to the left by referring to coulomb s law $\frac{1}{r^2}$ $\frac{1}{r^2}$ 1 $\frac{1}{r^2}$ 2 $\frac{1}{r^2}$ 2 we know that the force

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