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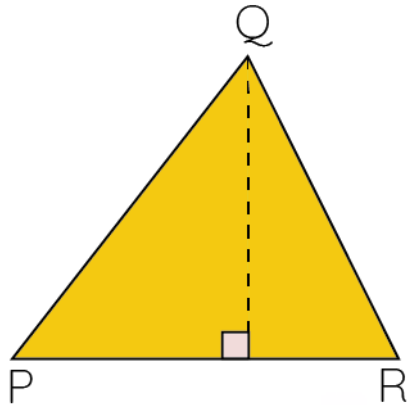
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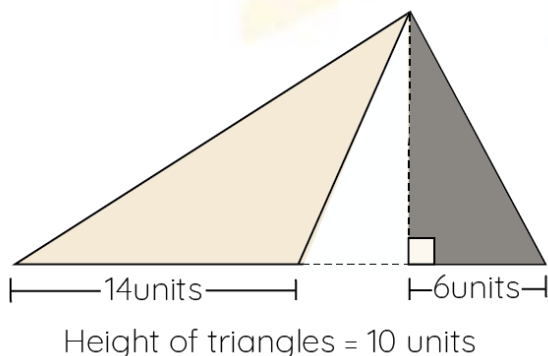
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Area and Perimeter Of Triangles Worksheets

- 1) In the given triangle QPR, the line segment PR is 12in and the height of a triangle is 10in. What is the area of the triangle?



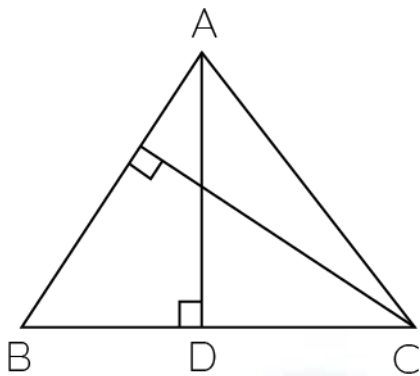
- 2) If the base of a triangle becomes double to its height. What is the area of a triangle?
- 3) A triangle has an area of 100 m² and the height of the triangle is 18 m, what is the base of the triangle?
- 4) If the perimeter of an equilateral triangle is 342 units. Then find its area.
- 5) Find the area of coloured region:



- 6) Find the area of the right-angled isosceles triangle having equal sides 5 m each.

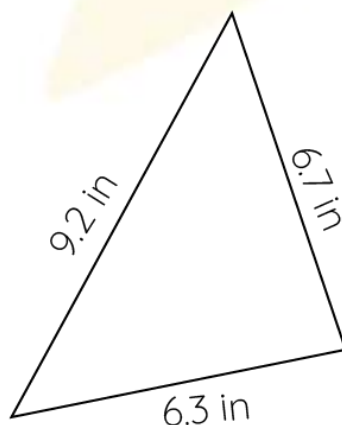
7) Find the perimeter of a triangle with sides measuring 15 units, 14 units and 10 units.

8) $\triangle ABC$ is isosceles with $AB = AC = 6$ cm, $BC = 8$ cm. The height AD from A to BC is 7 cm. Find the area of $\triangle ABC$. What will be the height from C on AB ?



9) The area of the triangle is equal to that of square whose each side measures 30 cm. Find the side of the triangle whose corresponding altitude is 36 cm.

10) Find the perimeter of the given figure:



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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

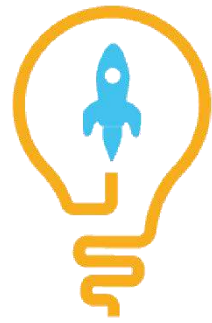
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1. 60 sq. in	6. 17.67 sq. m
2. base \times height	7. 39 units
3. base = 5.26m	8. $9\frac{1}{3}$ m, A = 28 cm
4. 5,627.4 sq. units	9. 50 cm
5. 100 sq units	10. 22.2 inch

FUN FACT

1. Area of an equilateral triangle is equal to $\frac{\sqrt{3}}{4}$ times a side squared.
2. The median of a triangle in an isosceles triangle is perpendicular to the base.
3. Two triangles with same perimeter may have different areas.

