AREA OF TRIANGLES WORKSHEET IV

1) What is the height of a triangle whose area = 150 m² and base = 15m?

2) Find the height of the given triangle.
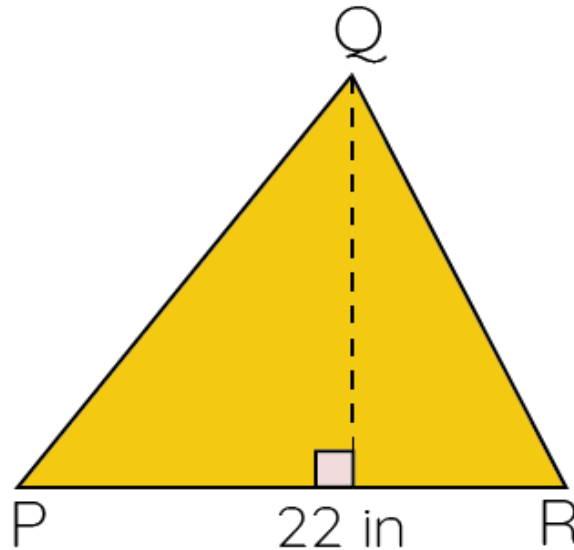
Area = 110 sq. in

3) Find the area of an equilateral triangle having side length = 5 ft. Round your answer to two decimal places.

4) If the base of a triangle is kept half, then the new area of a triangle would be_____.
   a) Doubled in the old area.
   b) Half of the old area.
   c) Four times the old area.
   d) One by four of the old area.

5) The side of an equilateral triangle is 6 units. What will be its area?

6) The base of a triangle is four times its height. What is the area of the triangle?

7) A triangle has an area of 120 m^2 and a height of 10 m, what is the base of the triangle?

8) If the perimeter of an equilateral triangle is 420 units. find half of its area.

9) The side of an equilateral triangular signboard is 18 units. If the signboard has to be painted 4 times in a year and painting the signboard two times consumes 0.5 liters of paint, then what will be the amount of paint required for painting the signboard in a year and also find the area of the signboard?

10)   The ratio of base to the height of a triangle is 16: 10 and its area is 80 m². Find the height and base of such a triangle.

cuemath
THE MATH EXPERT

When you learn math in an interesting way, you never forget.

25 Million
Math classes & counting

100K+
Students learning Math the right way

20+ Countries
Present across USA, UK, Singapore, India, UAE & more.

Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

"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."

"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."

- Gary Schwartz

- Kirk Riley

- Barbara Cabrera

Get the Cuemath advantage

Book a FREE trial class

ANSWERS

1)	20 m
2)	10 in
3)	10.82sq. ft.
4)	One by four of the old area.
5)	15.58sq.units
6)	$2 \times height^2$
7)	24 m
8)	8,487.04sq.units
9)	140.29 sq. units, 1 liter
10)	base=16m, Height 10m

1. Area of an isosceles triangle and equilateral triangle can be derived from Heron's formula.

2. Area of a triangle is equal to half the product of the altitude of the triangle and its base.

3. In an isosceles and equilateral triangle, the median is perpendicular to its base.