Perimeter and Area

1. The perimeter of an equilateral triangle is 108 in. how long is each side? Write your answer in ft.
2. In a triangle, its longest side is 15 in. the other two side together are 1,1/3 times the length

of the longest side. What is the perimeter of the triangle?

1. The following triangle has a perimeter of 78 inches. Find the length of the shortest side, X.

 X+2 X

X+4

1. The perimeter of an isosceles triangle is 38 inches. The length of its base is 1 ft. Find

the length of its legs.

1. Sam bought 84 ft of fence to enclose a square space in his backyard. If he wants to have

one side of the square by a wall, how long should each side of the square shape be?

1. The sides of a regular octagon are all the same length. If the perimeter of a regular

Octagon is 126.4 inches, find the length.

1. Find the number of sides of a regular polygon with a perimeter of 135 ft and a side

length of 9 ft.

1. Given the perimeter and length of one side a rectangle, find the length of the other

dimension.

 Perimeter =68ft, length of a side=32ft.

 Perimeter =4 ft, length of a side= 22 in.

1. Find the perimeter of the following shape :-

 10in

 9 ft

 12ft 8in

1. t
2. A rectangle has a perimeter of 56 ft. its length is three time its width. Find the length and width of the rectangle.
3. A bug crawls around a square 4 laps. It traveled 56 inches. How long the square’s sides?
4. A square and an equilateral triangle have an equal perimeter, 36 inches. How many inches

longer is the side length of the triangle than that of the square?

1. Given that the perimeter of one square is 24 cm. find the distance around the composition of squares. All squares are of same size.

 Perimeter of is 24 c m.

1. The area of right angled triangle is 32. If the base is 8 cm, find its height.
2. The length of the rectangular building is 7 ft more than its width. If the perimeter of the building wall is 98 ft, find its length and width.
3. What could be the possible dimensions for a rectangle having perimeter 16.8 m.
4. The perimeter of an isosceles triangle is 50.46 in. If one of the leg measures 12.34 in then find the length of base and other leg.
5. A rhombus has area 187.5 square meter. One of the diagonal measures 15 m then find the measure of other diagonal.
6. One side of square B is six times the length of one side of square A. How many times greater is the perimeter of square B than the perimeter of square A?
7. Quadrilateral ABCD is a trapezoid with AB parallel to CD. We know AB = 20 and CD = 12. What is the ratio of the area of triangle ACB to the area of the trapezoid ABCD? Express your answer as a common fraction.
8. In this quilt pattern, points E, F, G and H are midpoints of the sides of square ABCD, and square EFGH is divided into nine congruent unit squares, as shown. What percent of the total area of square ABCD does the total shaded area represent? Express your answer to the nearest whole percent.



1. Elmer decided to grow a garden so he could make salad. He wants to make it 10.1 m long and 4.2 m wide. However, in order to avoid Bugs Bunny from entering his garden he must make a fence surrounding the garden. He decides to make the fence 11.2 m long and 5.0 m wide. What is the area between the fence and the garden?