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TRIANGLE WORKSHEET

- 1) One of the angles of a Right angled triangle is 40° . The angle other than 90° is _____.
- 2) Consider a triangle ABC such that, $AB = 4$ inch $BC = 7$ inch. The range in which the side AC may lie is _____.
- 3) Median of a triangle divides the side into two equal parts.
 - a) True
 - b) False
- 4) 4.5 inch, 6 inch, 9 inch are the can be the three sides of a triangle.
 - a) True
 - b) False
- 5) If $2x$, $3x$ and $5x$ are the three angles of a triangle. Find the value of "x".
 - a) 17
 - b) 18
 - c) 19
 - d) 20
- 6) The sides of a Right angled triangle are $3a$, $4a$ and $5a$. Find the value of "a".
 - a) 1
 - b) 0
 - c) 2
 - d) 0.5
- 7) Match the following angles of a triangle by their third angle:

a- 50, 60	p- 90
b- 45, 50	q- 60
c- 45, 45	r- 70
d- 60, 60	s- 85
- 8) Sam wants a construct a boundary around his garden which is in the shape of a triangle. The sides of the garden are 12 ft, 40 ft and 25 ft respectively. Find the length of the boundary he wants to construct.

- 9) John needs to paint the front of his toy with green colour. The front face of the toy is in the shape of a triangle whose height and base are 12 inch and 18 inch respectively. Find the total area John needs to paint.
- 10) A playground is in the shape of a triangle whose sides are 14 ft, 18 ft and 20 ft respectively. Find the surface area of the ground by heron's formula.



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

- 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)	(50)
2)	(3 to 11)
3)	a)
4)	a)
5)	b)
6)	a)

7)	a-r b-s c-p d-q
8)	(77ft)
9)	(108 sq inch)
10)	(122.4ft)

FUN FACT

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

