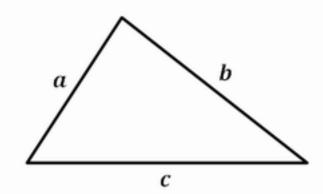


(Solve Using Every Side)

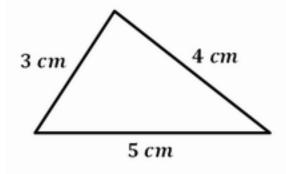


$$Area = \sqrt{s(s-a)(s-b)(s-c)}$$

a,b,c = sides of the triangle

$$s (semi\text{-}perimeter) = \frac{a+b+c}{2}$$

Example:



Semi-perimeter

$$s = \frac{a+b+c}{2}$$
$$= \frac{3+4+5}{2}$$
$$= \frac{12}{2}$$

Area of the Triangle

$$s = \frac{a+b+c}{2}$$

$$= \frac{3+4+5}{2}$$

$$= \frac{12}{2}$$

$$= 6$$

$$A = \sqrt{s(s-a)(s-b)(s-c)}$$

$$= \sqrt{6(6-3)(6-4)(6-5)}$$

$$= \sqrt{6 \times 3 \times 2 \times 1}$$

$$= \sqrt{36}$$