

Pythagorean's Theorem and Perimeter

Length of side a;

$$a = 3$$

Length of side b;

$$b = 4$$

Length of the hypotenuse

$$c = \sqrt{(a)^2 + (b)^2} = \sqrt{(3)^2 + (4)^2}$$

$$\therefore c = 5$$

Perimeter of the triangle

$$P = a + b + c = 3 + 4 + 5$$

$$\therefore P = 12$$