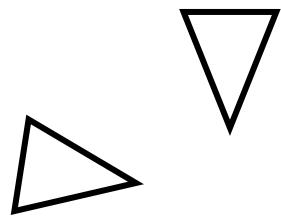
Similar Polygons: Ratio of Perimeters & Areas - Step-by-Step Lesson

Two Δ are similar.

The sides of the first Δ are 3, 4, and 5.

The largest side of the second Δ is 30.

Find the perimeter of the second Δ .



Explanation:

Perimeter of similar triangles <u>Perimeter of Δ first</u> = <u>largest side Δ first</u> Perimeter of Δ second = <u>largest side Δ second</u> Perimeter of Δ first = 3+4+5=12 12/ Perimeter of Δ second = 5/ 30

12/ Perimeter of Δ second = 1/ 6

Perimeter of Δ second = 12 x 6 (Cross-Products property)

Perimeter of Δ second = 72

Answer is: 72

