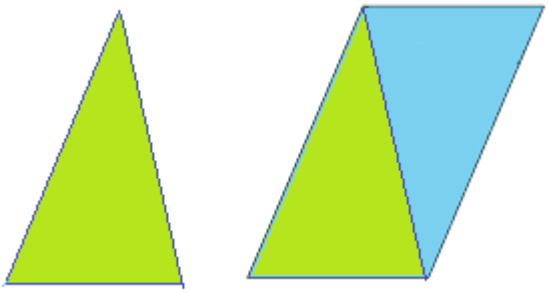
AREA 1 – TRIANGLES

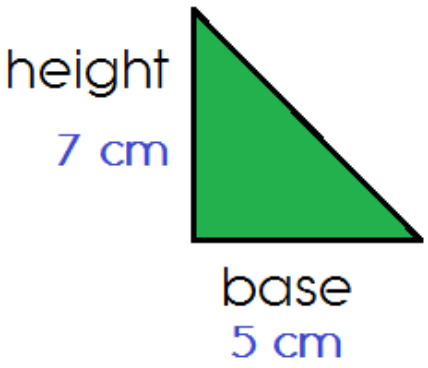
Do you recall the area of a rectangle is L x B? A diagonal line that is drawn in a rectangle divides into two equal parts, triangles. So, the area of a triangle is half the area of the rectangle.

Observe:

Triangles are related to parallelograms.

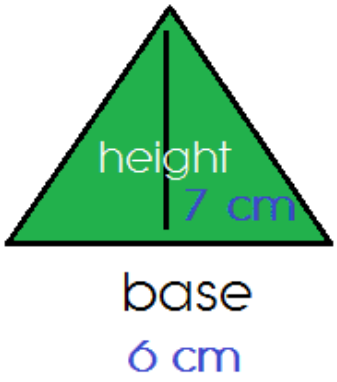


The two copies produce a parallelogram. Therefore the triangle has an area that is half the area of a parallelogram.

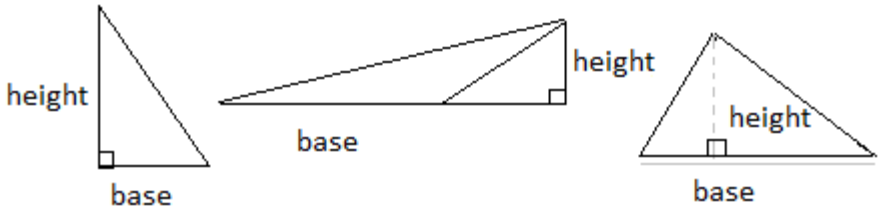


area of triangle

$= \frac{H \times B}{2}$ $= \frac{7 \times 5}{2} = 17.5\ cm^2$



$= \frac{7 \times 6}{2} = 21\ cm^2$



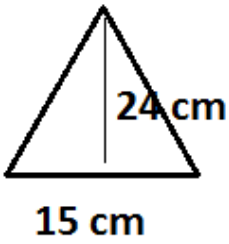
WORKSHEET

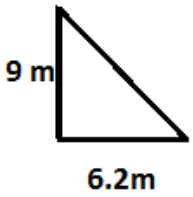
Area – TriangleDownload

PRACTICE

1. QUESTION

Calculate the area of the following triangles.





Answer = _____

Answer = _____

2. QUESTION

A sail boat has its sail in the shape of a triangle with height of 6.6 m and base 5 m. Calculate the area of the sail.

Answer = _____

3. QUESTION

Calculate the missing base or height for the triangles.

a) A triangle has an area of 96 cm². If the height is 14 cm, calculate the base.

Answer = Base is _____ m.

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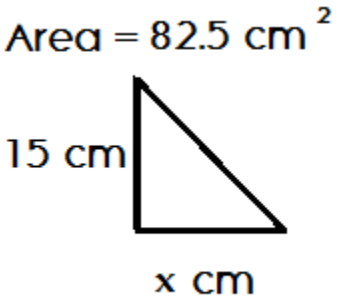
b) A triangle has a base of of 24 cm and an area of 114 cm². What is its height?

Answer = Height is _____ cm



c) **Answer** = Base is _____ cm