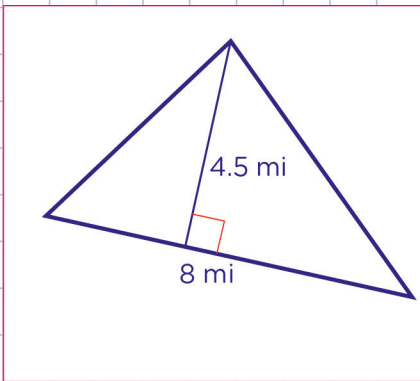


Name: Class:

Area of triangles

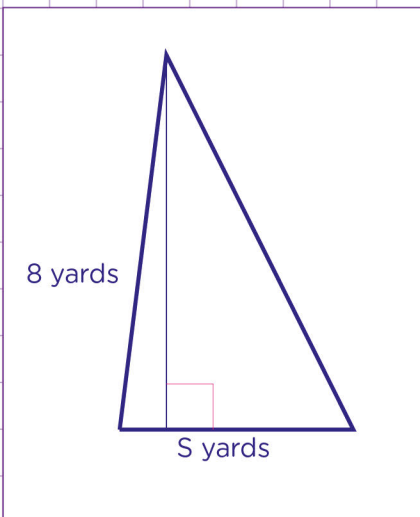
1. What is the area of the triangle below ?



Area of triangle = $\frac{1}{2}$ base x height



2. What is the value of S if the area of the triangle is 20 square yards ?



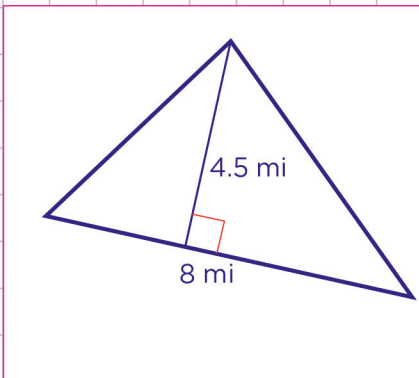
Area of triangle = $\frac{1}{2}$ base x height



Name: Class:

Area of triangles

1. What is the area of the triangle below ?



$$\text{Area of triangle} = \frac{1}{2} \text{ base} \times \text{height}$$

$$\text{Base} = 8 \text{ miles}$$

$$\text{Height} = 4.5 \text{ miles}$$

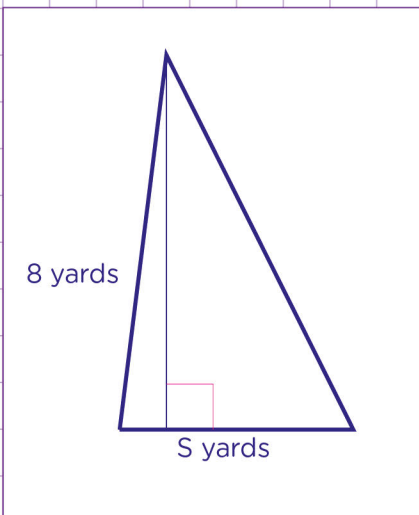
Using the formular above we have,

$$\text{Area} = \left(\frac{1}{2} \times 8 \times 4.5 \right) \text{ miles}^2$$

$$\text{Area} = 4 \times 4.5 = 18 \text{ miles}^2$$

Therefore, the area is 18 square miles

2. What is the value of S if the area of the triangle is 20 square yards ?



$$\text{Area of triangle} = \frac{1}{2} \text{ base} \times \text{height}$$

$$\text{Area} = 20 \text{ square yards}$$

$$\text{Base} = S$$

$$\text{Height} = 8 \text{ yards}$$

Using the formular above we have,

$$20\text{yd}^2 = \frac{1}{2} \times S \times 8\text{yd}$$

$$S = \left(\frac{20 \times 2}{8} \right) \text{ yards}$$

$$S = \frac{40}{8} = \frac{5 \times 8}{8}$$

$$S = 5 \text{ yards}$$

Therefore, S = 5 yards

