



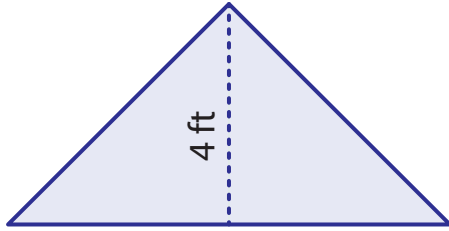
# Finding base / height

Name \_\_\_\_\_

Score \_\_\_\_\_

AT:20

Example : Find the base of given triangle.



Area = 18 ft<sup>2</sup>

$$\text{Area} = \frac{1}{2} \times \text{base}(b) \times \text{height}(h)$$

$$b = ?, h = 4 \text{ ft}$$

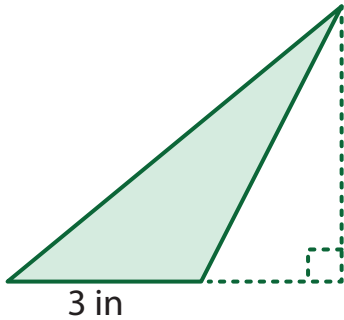
$$18 = \frac{1}{2} \times b \times 4$$

$$36 = 4b$$

$$b = \frac{36}{4} = \mathbf{9 \text{ ft}}$$

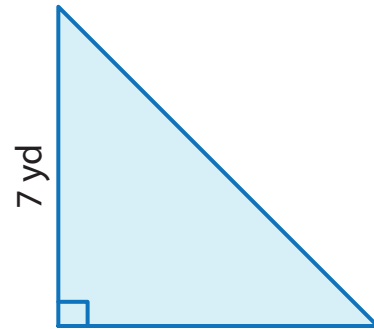
Find the base or height of each triangle.

1) Area = 9 in<sup>2</sup>



Height =

2) Area = 24.5 yd<sup>2</sup>



Base =

1) Area = 55 ft<sup>2</sup>

Height = 11 ft

Base =

2) Area = 6 in<sup>2</sup>

Base = 2 in

Height =

Complete the table.

Q.No	Base	Height	Area
1)		10 yd	25 yd <sup>2</sup>
2)	12 ft		48 ft <sup>2</sup>
3)		6 in	21 in <sup>2</sup>



# Finding base / height

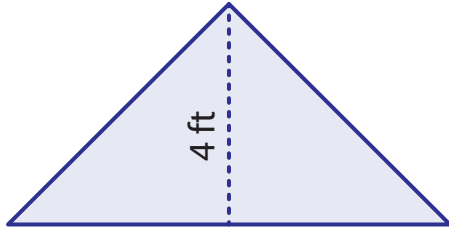
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Score \_\_\_\_\_

## Answer key

AT:20

Example : Find the base of given triangle.



Area = 18 ft<sup>2</sup>

$$\text{Area} = \frac{1}{2} \times \text{base}(b) \times \text{height}(h)$$

$$b = ?, h = 4 \text{ ft}$$

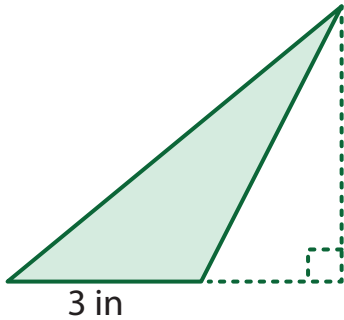
$$18 = \frac{1}{2} \times b \times 4$$

$$36 = 4b$$

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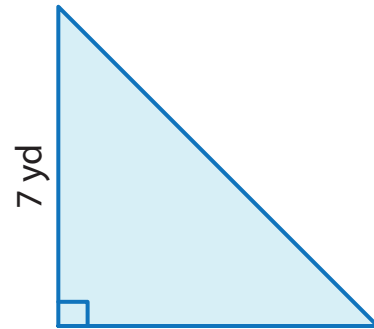
Find the base or height of each triangle.

1) Area = 9 in<sup>2</sup>



Height = **6 in**

2) Area = 24.5 yd<sup>2</sup>



Base = **7 yd**

1) Area = 55 ft<sup>2</sup>

Height = 11 ft

Base = **10 ft**

2) Area = 6 in<sup>2</sup>

Base = 2 in

Height = **6 in**

Complete the table.

Q.No	Base	Height	Area
1)	<b>5 yd</b>	10 yd	25 yd <sup>2</sup>
2)	12 ft	<b>8 ft</b>	48 ft <sup>2</sup>
3)	<b>7 in</b>	6 in	21 in <sup>2</sup>