

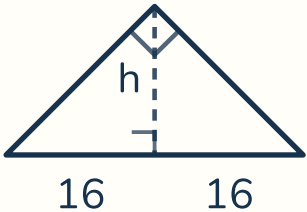
Altitude to the hypotenuse — The altitude

Name: _____

Date: _____

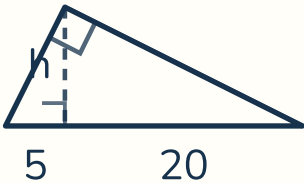
Find each altitude. The altitude is the geometric mean of the two pieces.

1



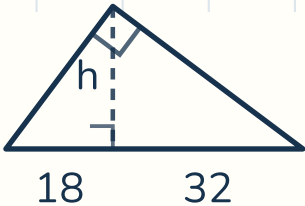
$h = 16$

2



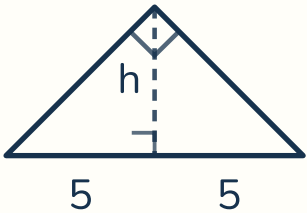
$h = \underline{\hspace{1cm}}$

3



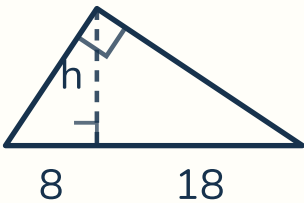
$h = \underline{\hspace{1cm}}$

4



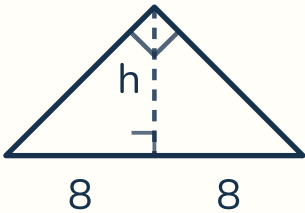
$h = \underline{\hspace{1cm}}$

5



$h = \underline{\hspace{1cm}}$

6



$h = \underline{\hspace{1cm}}$



Altitude to the hypotenuse · The altitude — Answer key

1. $h^2 = p \times q = 16 \times 16 \rightarrow h = 16$

2. $h^2 = p \times q = 5 \times 20 \rightarrow h = 10$

3. $h^2 = p \times q = 18 \times 32 \rightarrow h = 24$

4. $h^2 = p \times q = 5 \times 5 \rightarrow h = 5$
5. $h^2 = p \times q = 8 \times 18 \rightarrow h = 12$

6. $h^2 = p \times q = 8 \times 8 \rightarrow h = 8$

