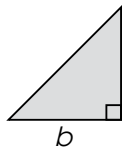


Name: _____

Advanced

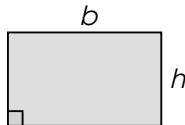
Area of Rhombuses and Kites

Formula for triangle:



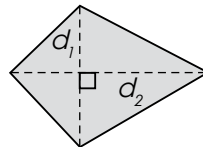
$$A = \frac{1}{2} \times b \times h$$

Formula for rectangle:



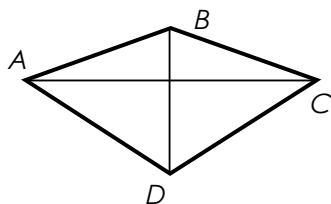
$$A = b \times h$$

Formula for rhombus or kite:



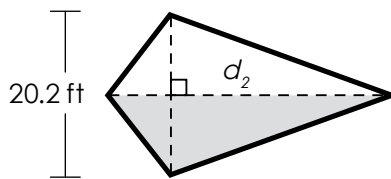
$$A = \frac{1}{2} \times d_1 \times d_2$$

a. Find the length of BD .



AC is $1\frac{1}{2}$ in and the area of

b. Find the length of d_1 .

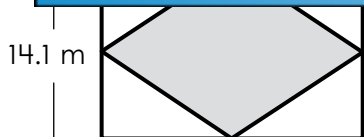


The shaded triangle is 204.02 ft^2 .

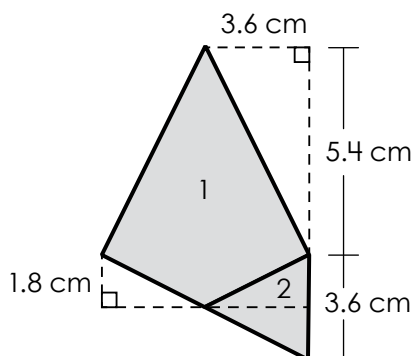


Preview

Please log in to download the printable version of this worksheet.



area = _____ area = _____ area = _____

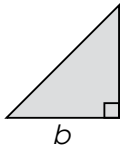


f. Calculate the area of the shape.

area = _____

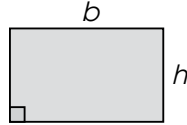
Area of Rhombuses and Kites

Formula for triangle:



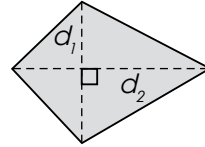
$$A = \frac{1}{2} \times b \times h$$

Formula for rectangle:



$$A = b \times h$$

Formula for rhombus or kite:



$$A = \frac{1}{2} \times d_1 \times d_2$$

a. Find the length of BD .

b. Find the length of d_1 .

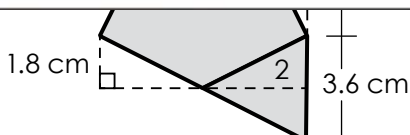
Method 1

$$\text{area of the kite} = 204.02 \times 2 = 408.04$$

$$408.04 = \frac{1}{2} \times d_1 \times d_2$$

Preview

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$$A_1 = 25.92$$

$$\text{area} = 32.4 \text{ cm}^2$$