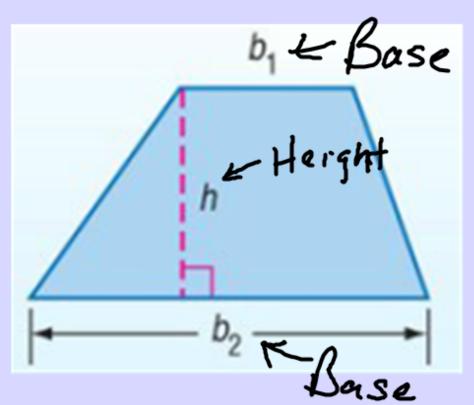
Area of Trapezoids, Rhombi and Kites



You will be able to find the area of trapezoids, rhombi and kites

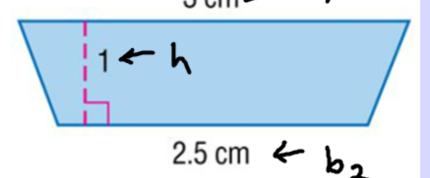
Essential Question: How many square feet of tile would it take to replace the tile in our classroom?

Area of Trapezoids



SHAVING Find the area of steel used to make the side of the razor blade shown below.

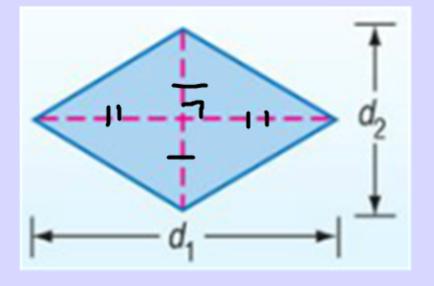
$$A = \frac{1}{2}(1)(5.5)$$

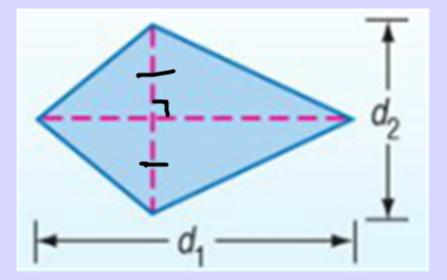


Trapezoid *QRST* has an area of 210 square yards.

Find the height of QRST.

Areas of Rhombi and Kites





Find the area of the kite

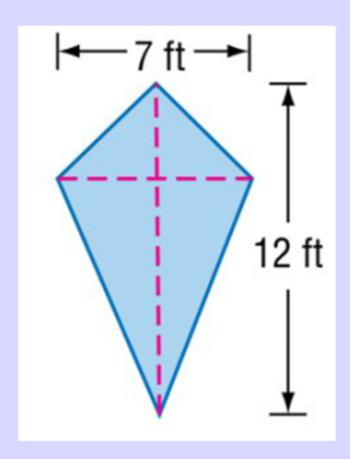
$$A = \frac{1}{2} d_{1} d_{2}$$

$$A = \frac{1}{2} (7)(12)$$

$$A = \frac{1}{2} (84)$$

$$A = \frac{4}{2} (84)$$

$$A = \frac{4}{2} (84)$$



Find the area of the rhombus

$$A = \frac{1}{2} d_{1}d_{2}$$

$$A = \frac{1}{2}(14)(18)$$

$$A = 124 in^{2}$$

