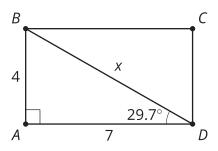
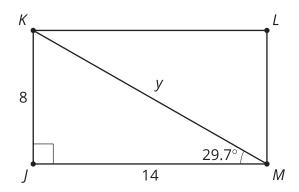
Unit 4 Lesson 2: Half a Square

1 Diagonals of Rectangles (Warm up)

Student Task Statement





Calculate the values of x and y.

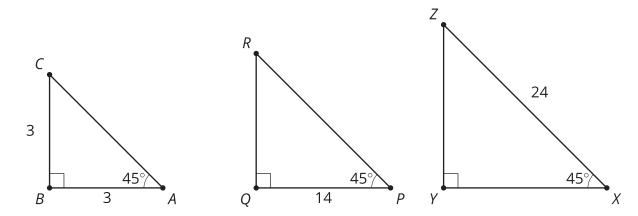
2 Decomposing Squares (Optional)

Student Task Statement

- 1. Draw a square with side lengths of 1 cm. Estimate the length of the diagonal. Then calculate the length of the diagonal.
- 2. Measure the side length and diagonal length of several squares, in centimeters. Compute the ratio of side to diagonal length for each.
- 3. Make a conjecture.

3 Generalize Half Squares (Optional)

Student Task Statement



Calculate the lengths of the 5 unlabeled sides.

Images for Activity Synthesis

