

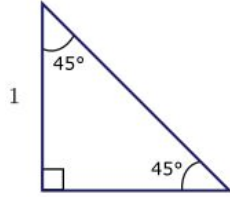
Lesson 2.4.5: 45-45-90 Triangles

Targets:

1. I can find the missing side lengths of a 45-45-90 triangle given just one side.

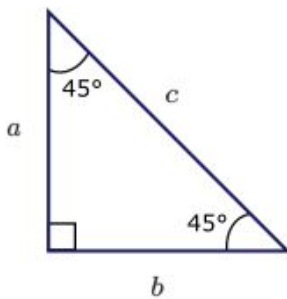
Warm Up

Calculate for the missing side lengths.



Warm Up (Continued)

Fill in the chart for the missing values. Try to find a pattern.

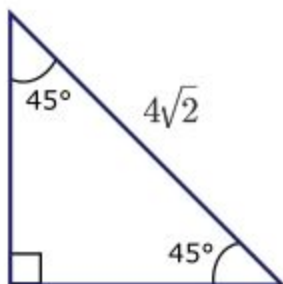


a	b	c
1		
2		
3		
4		
5		

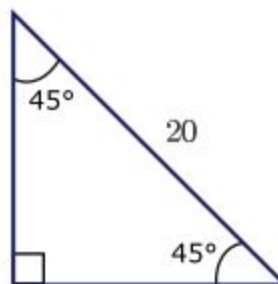
Using Similarity

It was easy to find the other side lengths when you were given leg a or leg b, but what happens when you are given the hypotenuse? Use similarity to find the missing side lengths for these triangles.

Practice 1



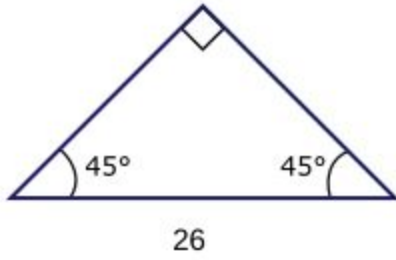
Practice 2



Exit Ticket

Use what you have learned in this lesson to find the missing side lengths of each triangle.

1.



2.

