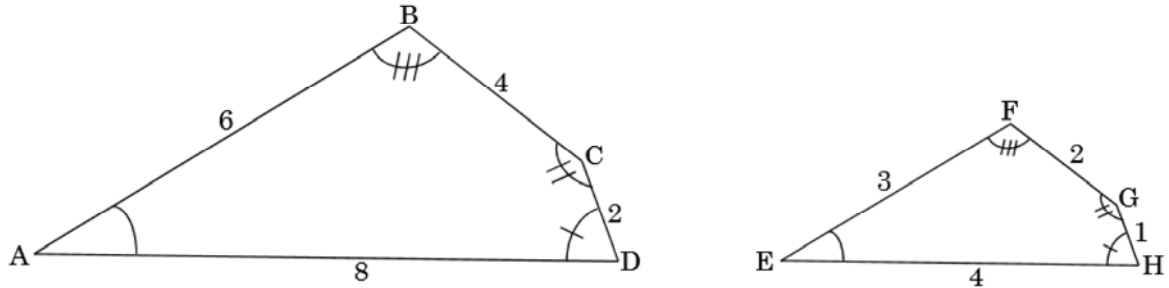


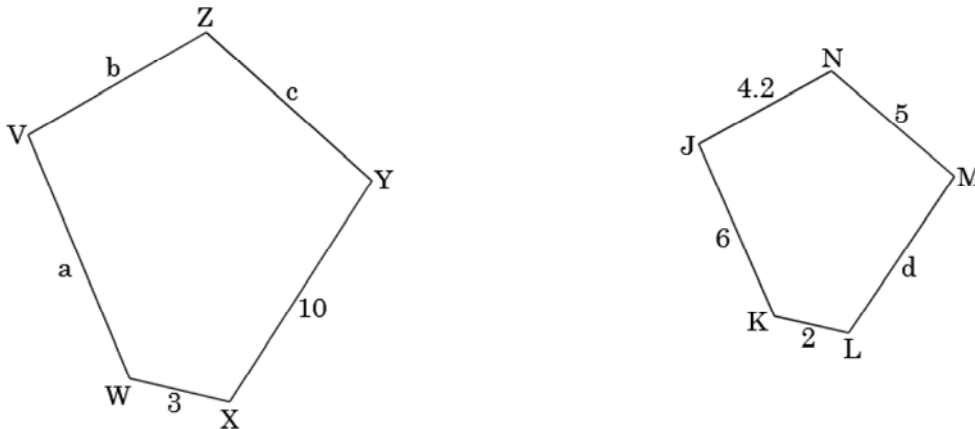
Two figures are said to be similar if they have the same shape and different size.



Notice that  $\frac{AB}{EF} = \frac{6}{3} = \frac{2}{1}$ ,  $\frac{BC}{FG} = \frac{4}{2} = \frac{2}{1}$ ,  $\frac{CD}{GH} = \frac{2}{1}$ , and  $\frac{DA}{HE} = \frac{8}{4} = \frac{2}{1}$

We can write: Figure ABCD  $\sim$  Figure EFGH where  $\sim$  means “similar to”

The above two figures are similar because the corresponding angles are equal and the corresponding sides have the same ratio.



If Figure JKLMN  $\sim$  Figure VWXYZ, answer the following:

#1-4. Name the corresponding angle:

1.  $\angle J =$                       2.  $\angle M =$

3.  $\angle W =$                       4.  $\angle Z =$

#5-8. Write a proportion to find the given side and then solve it.

5. a                                      6. b

7. c                                      8. d