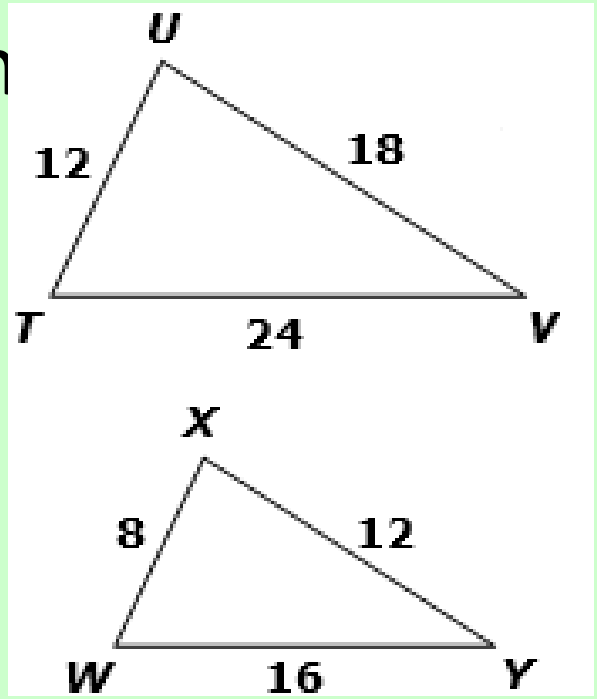
School City Practice Quiz Questions

1. Based on the triangles shown Theodore claims that ΔTUV is similar to ΔWXY with a scale factor of 3:2. Is Theodore correct?



A. Yes, the triangles are similar with a scale factor of 3:2.	B. No, the triangles are similar with a scale factor of 2:1.
C. No, the triangles are similar with a scale factor of 2:3.	D. No, the triangles are similar with a scale factor of 4:3.

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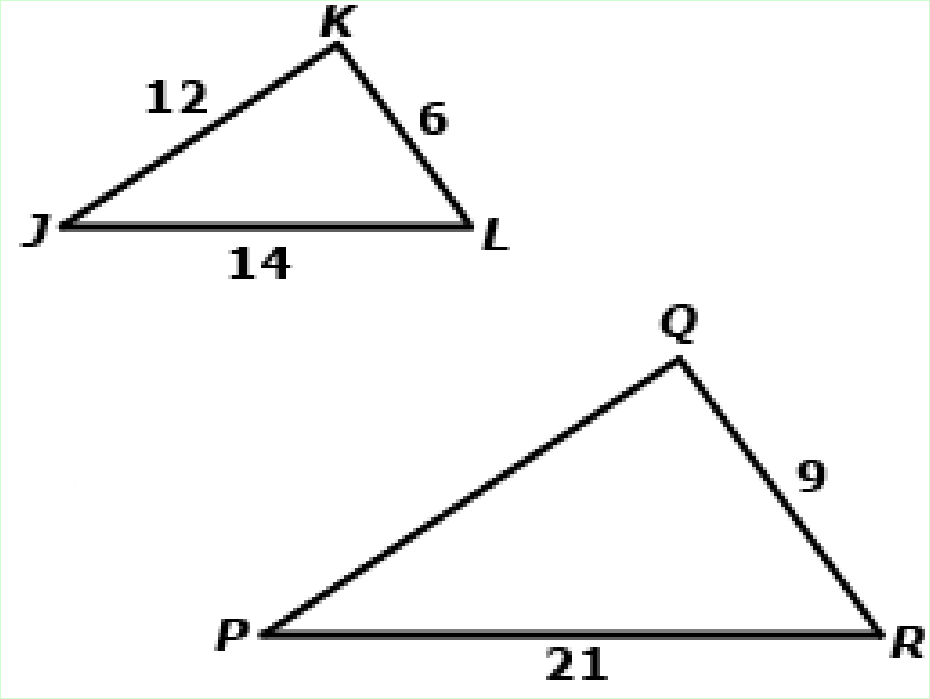
2. What must be the length of PQ in order for ΔJKL to be similar to ΔPQR?



A. 8	B. 15
C. 18	D. 19

3. In order for two triangles to be similar, all corresponding pairs of angles must be _____.	
A. adjacent	B. congruent
C. proportional	D. supplementary

4. In order for two triangles to be similar, all corresponding pairs of sides must be _____.	
A. adjacent	B. congruent
C. proportional	D. supplementary

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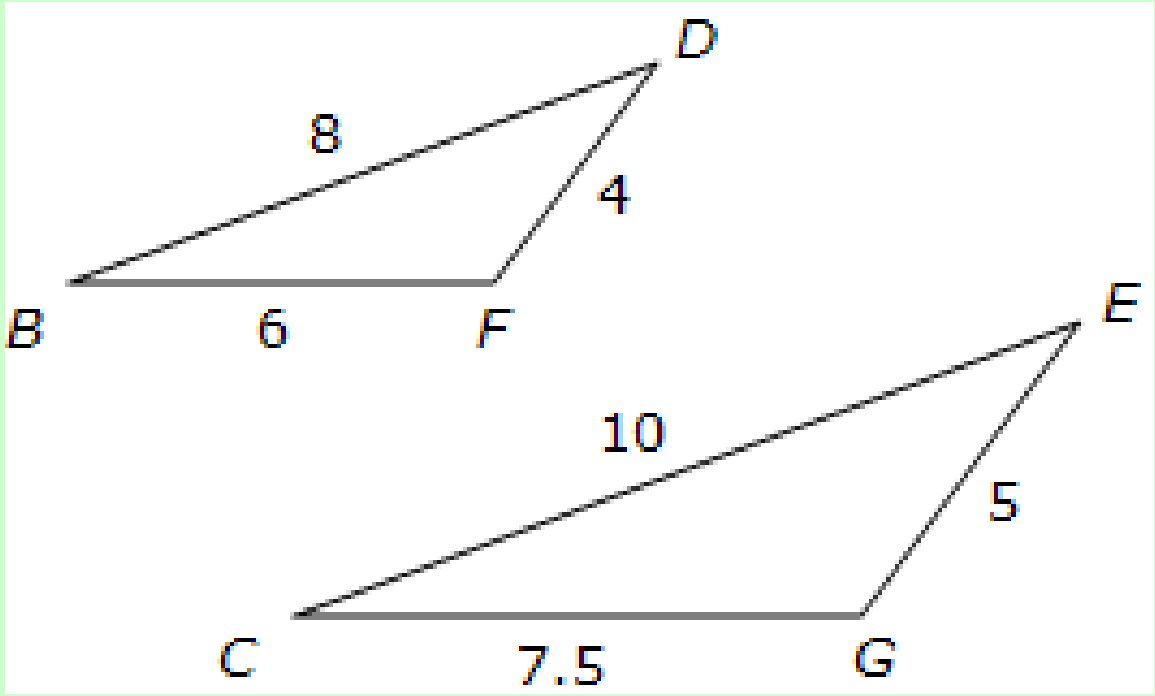
5. If ΔBDF is similar to ΔCEG, what is the ratio from ΔBDF to ΔCEG?



A. 1:2	B. 2:1
C. 4:5	D. 5:4

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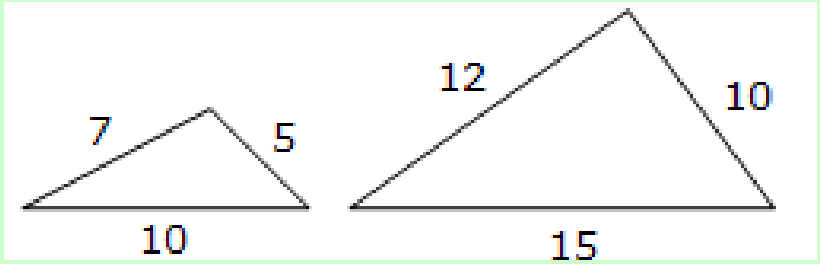
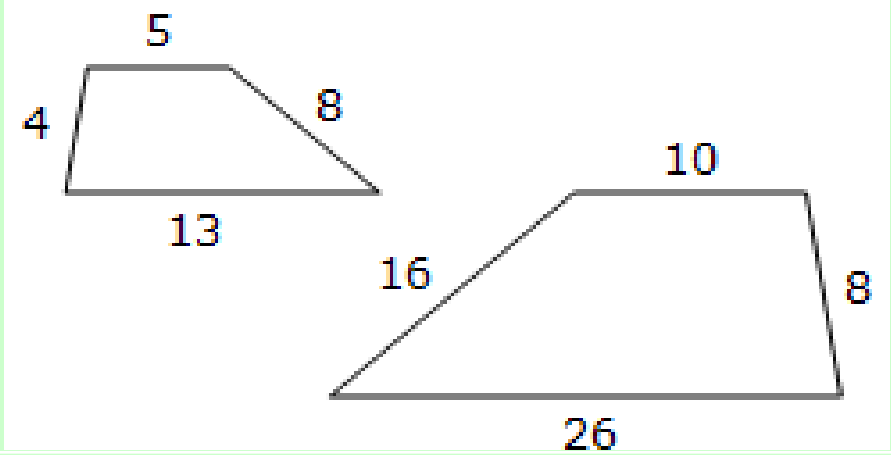
6. Which pair of the following figures is similar?

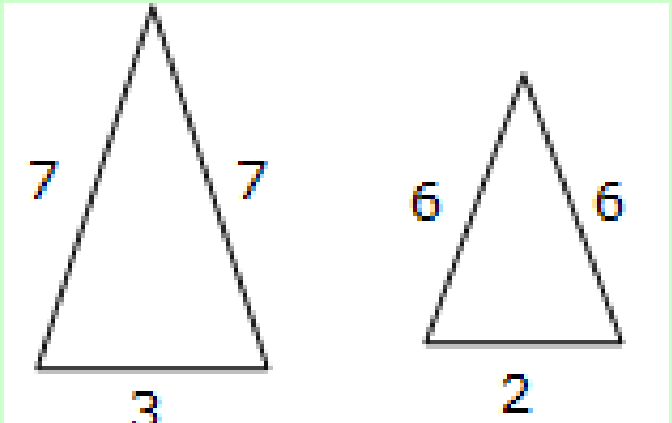
A.



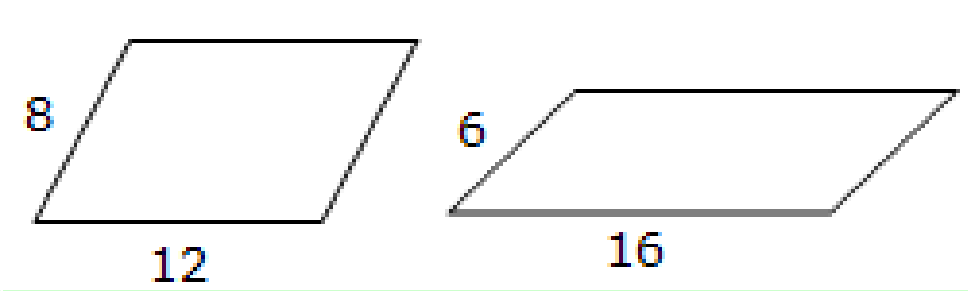
B.



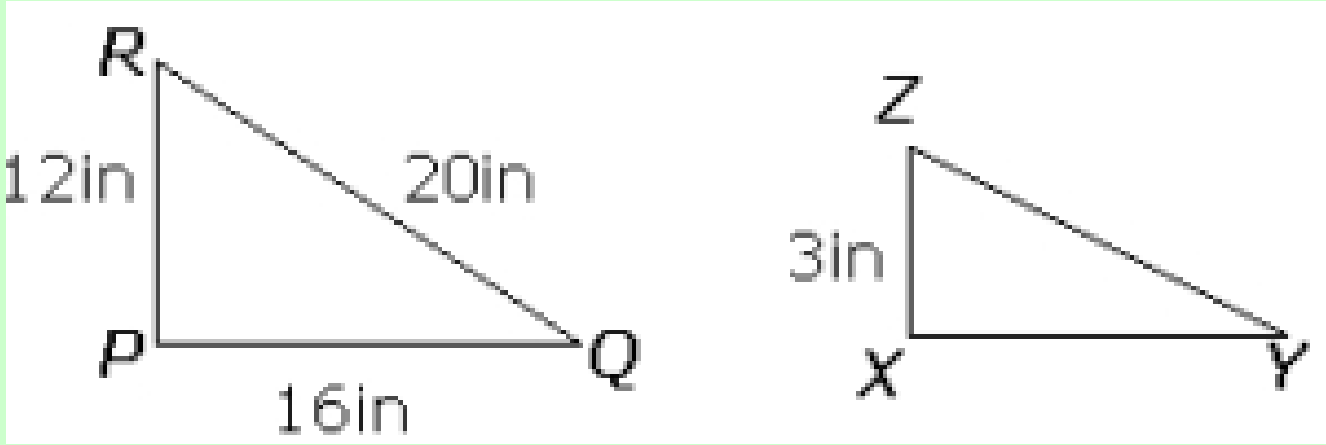
C.



D.



7. Triangle PQR is similar to triangle XYZ. What is the perimeter of triangle XYZ?.



A. 3 in.	B. 4 in.
C. 12 in.	D. 16 in.