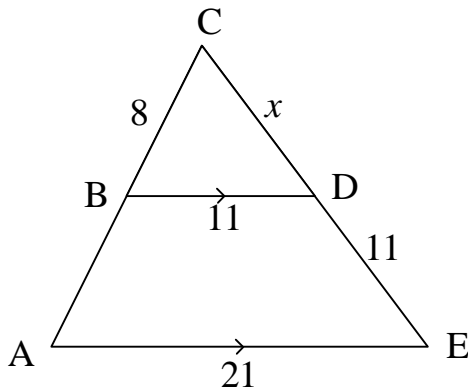


Similar Triangles

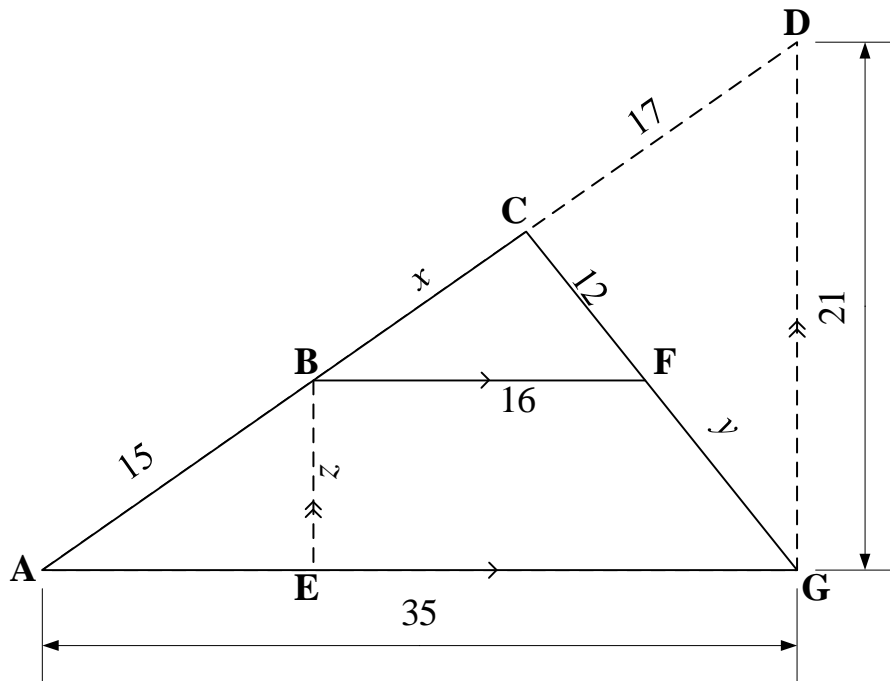
1.



ACE is similar to BCD .

- Find the value of x .
- Work out the perimeter of $ABDE$.
- Find the perimeter of ACE .

2. Triangles BCF and ACG are similar. Triangles ADG and ABE are also similar. Angle AGD is a right angle.



- Calculate the values of x , y and z .
- Find the perimeter of the trapezium $ABFG$.
- Find the area of the trapezium $ABFG$.

3. Give four rules that suggest that two triangles are similar.

DO NOT SCALE ANY OF THE DIAGRAMS ABOVE.