Name: _____ Nos: ___ Grade: ___ LESSON QUIZ

Similar Triangles: *Learn* to compute similar triangles. G9

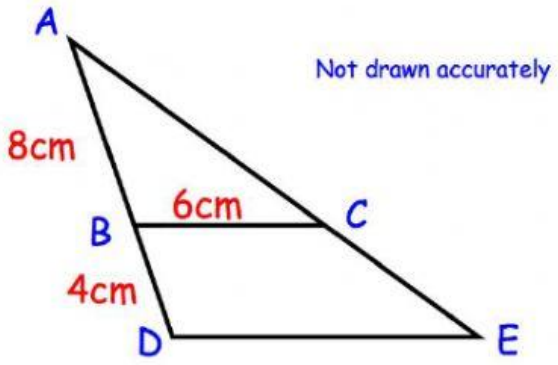
Guidance 1. Read each question carefully before you begin answering it.

2. Check your answers seem right from the table given. 3. Always show your workings.

1. **A girl 1.5m tall stands 2.2 m from a street light and casts a shadow 1.8 m long. How high is the street light?** Answer: ____

2. A student 1.2 m tall casts a shadow 2.4 m long at a certain time. If a teacher 1.8 m tall stands in the same position and at the same time, how long will his shadow be? Answer: ____

3. **A ladder rests with one end on the ground and the other against a tree at a height of 4 m. If a vertical strut 1.6 m long is placed under the ladder 2 m from the tree, find the horizontal distance of the strut from the bottom of the ladder.** **Answer:**

4. 

Triangle ABC is similar to triangle ADE.

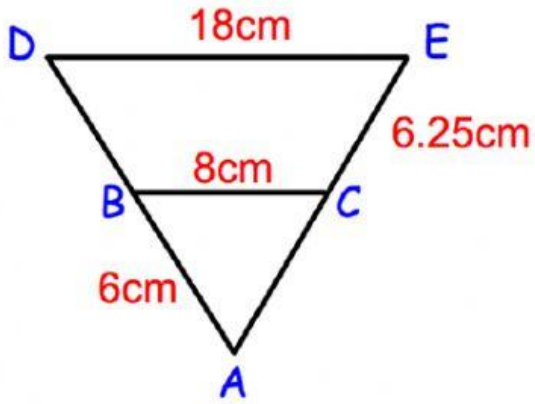
AB = 8cm BC = 6cm BD = 4cm. Work out the length of DE. Answer: ____

The table below contains all your answers. Carefully drag to the ask right question answer position.

7.5	9	8	3.3	1.4	8.75	3.6	5

5.

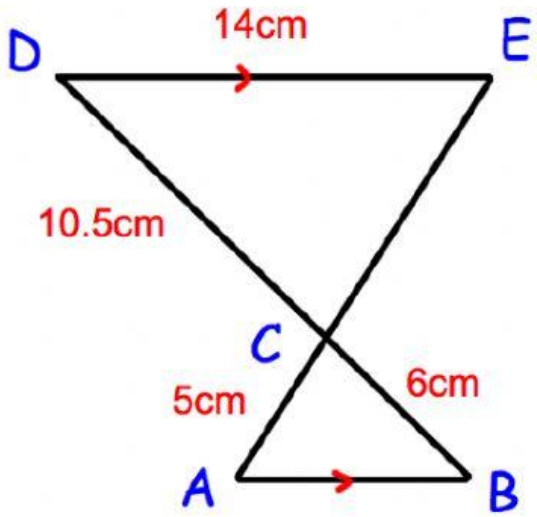
Not drawn accurately



(a) Work out the length of DB.
(b) Work out the length of AC.

Answer: a = ____ b = ____

6.



ACE and BCD are straight lines

DE is parallel to AB.

Answer: a = ____ b = ____

Click on finished, get your answer, take pictures and send via **line ID: gpower11**. By T.OJO