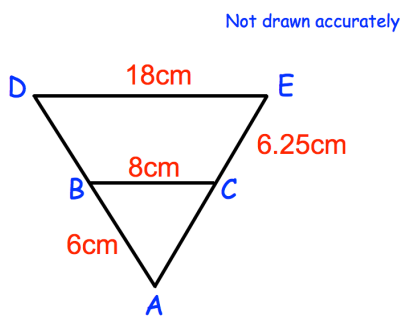




A circle has area 40cm^2 .

Find the diameter.

Show that an increase of 10% followed by an increase of 10% is equivalent to a 21% increase overall.



Triangle ABC is similar to triangle ADE .
Work out the length of AC .

Solve

$$\frac{w}{4} = 35 - w$$

w is greater than 1.

Write in order, from smallest to largest

$$w^0 \quad w^3 \quad \frac{w^3}{w^4} \quad w^{-2}$$