

30th October

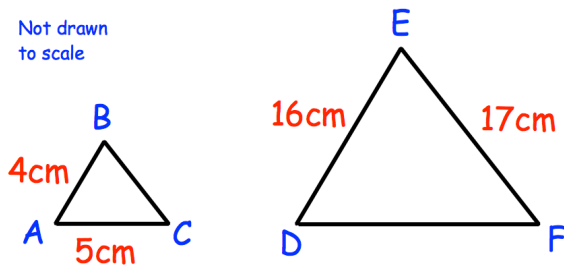


Corbettmaths

Work out

$$1\frac{4}{7} \div 1\frac{1}{4}$$

Give your answer as a mixed number.

Not drawn
to scale

Triangles ABC and DEF are similar.

$$AB = 4\text{cm} \quad AC = 5\text{cm}$$

$$DE = 16\text{cm} \quad EF = 17\text{cm}.$$

Work out the length of BC.

Solve these simultaneous equations

$$2x - 4y = 4$$

$$5x - 3y = 24$$

90g of lead and 40g of tin are mixed to make an alloy.

The density of lead is 11g/cm^3 The density of tin is 7g/cm^3

Work out the volume of lead used in the alloy.

Work out the volume of tin used in the alloy.

What is the density of the alloy?