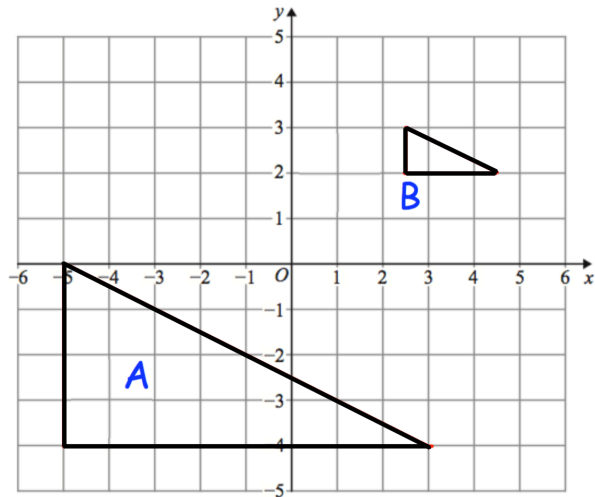
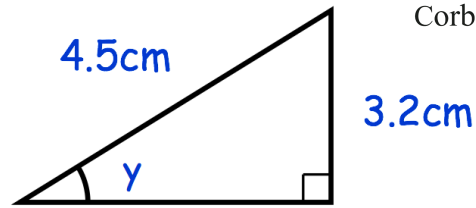




Calculate angle y



Describe fully the single transformation that maps triangle A onto triangle B.

Translate triangle B by $\begin{pmatrix} -5 \\ 1 \end{pmatrix}$

There are three colours of beads in a bag.

The ratio of red to yellow beads is 8:3

The ratio of green to yellow beads is 9:2.

What fraction of the beads are green?

Work out the reciprocal of 20.
Give your answer as a decimal