

**15th January**

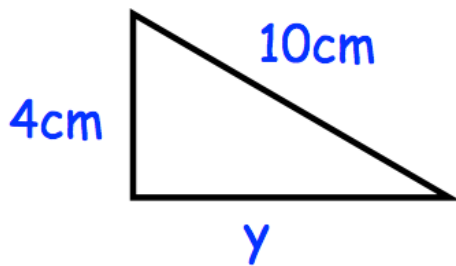
Corbettmaths

Simplify

$$5(x + 3) + 2x - 4$$

Work out

$$8\frac{1}{3} \div \frac{4}{7}$$



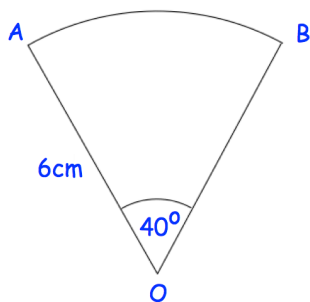
Calculate the length of y for this right-angled triangle

There are red, green and blue beads in a bag.

The ratio of red beads to green beads is 2:5

The ratio of green beads to blue beads is 1:3

Work out the ratio of red beads to blue beads

Find the area of the sector.  
Give your answer in terms of  $\pi$ .