



Simplify $\sqrt{200}$

Given that $x : y = 5 : 11$

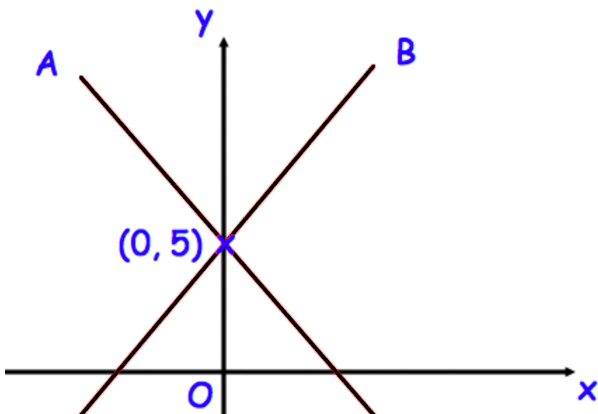
and $y - x = 90$

Find the value of $2x + y$

There are 12 sweets in a bag
7 are lemon and 5 are orange.

Two sweets are taken out of the bag, at
random, without replacement.

Find the probability that the two sweets
are the same flavour.



The lines A and B are perpendicular.
Both lines pass through the point $(0, 5)$
The gradient of line A is $-\frac{3}{4}$

Work out the gradient of line B.

Write down the equation of line B