



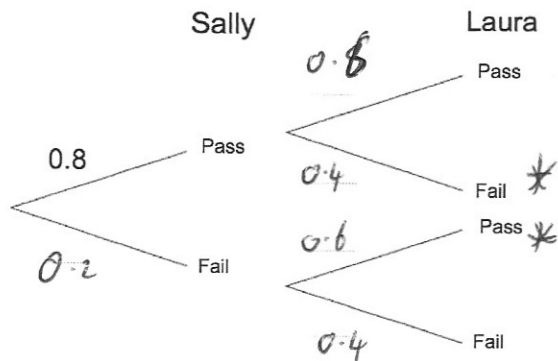
Expand and simplify

$$(3p + 2)(2p - 1)$$

$$6p^2 - 3p + 4p - 2$$

$$6p^2 + p - 2$$

The probability of Sally passing an exam is 0.8  
The probability of Laura passing an exam is 0.6



Complete the tree diagram

Find the probability that only one girl passes.

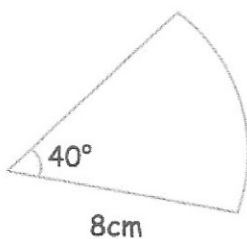
$$\begin{array}{r}
 0.8 \times 0.4 = 0.32 \\
 0.2 \times 0.6 = 0.12 \\
 \hline
 0.44
 \end{array}$$

Find the volume of a piece of wood that has a mass of 200g and density of  $0.65\text{g/cm}^3$

$$V = \frac{m}{d} = \frac{200}{0.65}$$

$$307.69 \text{ cm}^3$$

Find the area of the sector.



$$\begin{array}{l}
 \frac{1}{9} (\pi \times 8^2) \\
 = 22.34 \text{ cm}^2
 \end{array}$$