21st August **Foundation Plus 5-a-day**

Corbettmaths

A fair coin is flipped twice.

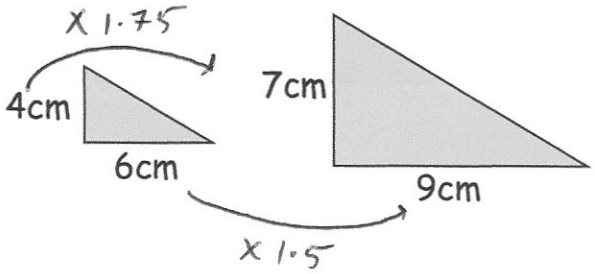
Write down the probability of getting two tails.

HH HT
TH TT

$\frac{1}{4}$

Norman says "the two triangles are similar because 3cm has been added to both the height and base of the smaller triangle."
Explain why Norman is incorrect.

The scale factor needs to be consistent



Here are the equations of four lines.

Line 1 $y = 4x + 1$

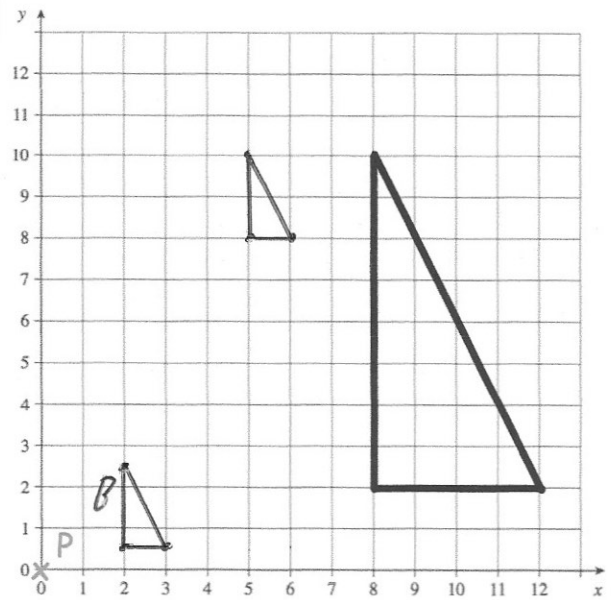
Line 2 $4x - y - 9 = 0$ $y = 4x - 9$

Line 3 $2y = 10 - 8x$ $y = 5 - 4x$

Line 4 $\frac{1}{2}y = 2x + 7$ $y = 4x + 14$

Which line is not parallel to the other three?

3



Enlarge the triangle by scale factor $\frac{1}{4}$ using P as the centre of enlargement. Label this triangle B.

Translate triangle B by $\begin{pmatrix} 3 \\ 7.5 \end{pmatrix}$ right up