2nd November **Foundation Plus 5-a-day**

Corbettmaths

Solve

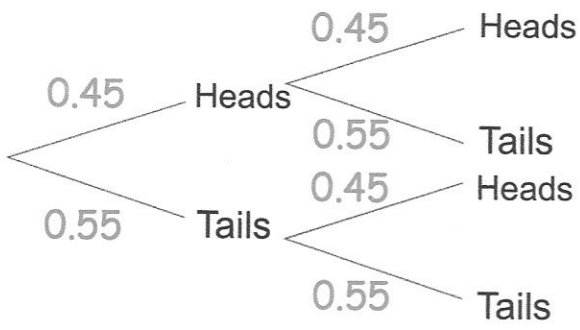
$8x + 14 \leq 3x - 15$

$5x + 14 \leq -15$

$5x \leq -29$

$x \leq -5.8$

David has a biased coin.
The probability of a getting heads is 0.45 and tails is 0.55
The coin is flipped twice.



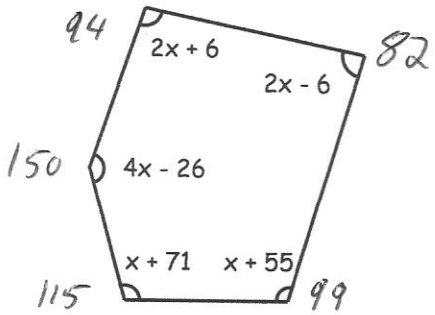
Work out the probability of getting tails twice.

$0.55 \times 0.55 = 0.3025$

Work out the probability of getting at least one tail.

$0.45 \times 0.45 = 0.2025$

$1 - 0.2025 = 0.7975$



Find the size of the smallest angle.

$10x + 100 = 540$

$10x = 440$

$x = 44$

82°

a = $\begin{pmatrix} -9 \\ -14 \end{pmatrix}$ **b** = $\begin{pmatrix} 8 \\ -17 \end{pmatrix}$

Work out **b – a**

$\begin{pmatrix} 17 \\ -3 \end{pmatrix}$