D _____ **G** _____

0                              $\frac{1}{2}$ 1

Mark on the probability scale, the following probabilities.
(i) A baby being a girl. Use the letter G.
(ii) Rolling a normal 6 sided dice and getting a 7. Use the letter D

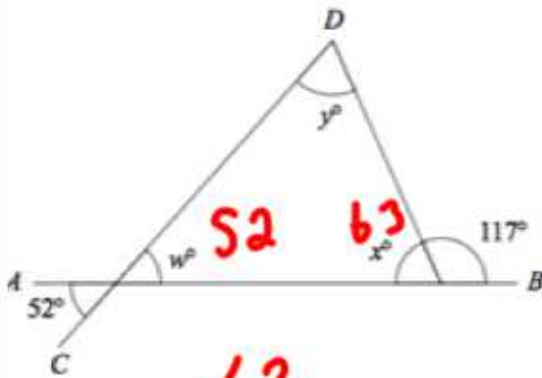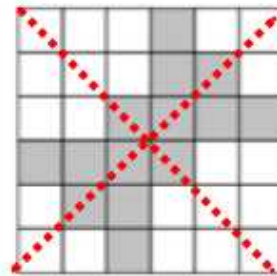| There are 30 chocolates in a box. 10 are white chocolates.	What fraction are not white chocolates?
What fraction are white chocolates? $\frac{10}{30} = \frac{1}{3}$	$1 - \frac{1}{3} = \frac{2}{3}$

Draw all the lines of symmetry on the diagram	

Find the angle x

$$180 - 117 = 63°$$

Find the angle w

$$52°$$

$$\begin{array}{r} 63 \\ + 52 \\ \hline 115 \end{array}$$

Find the angle y

$$\begin{array}{r} 180 \\ -115 \\ \hline 65° \end{array}$$

Write down the cube root of 64
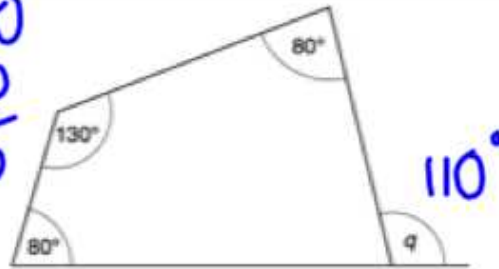
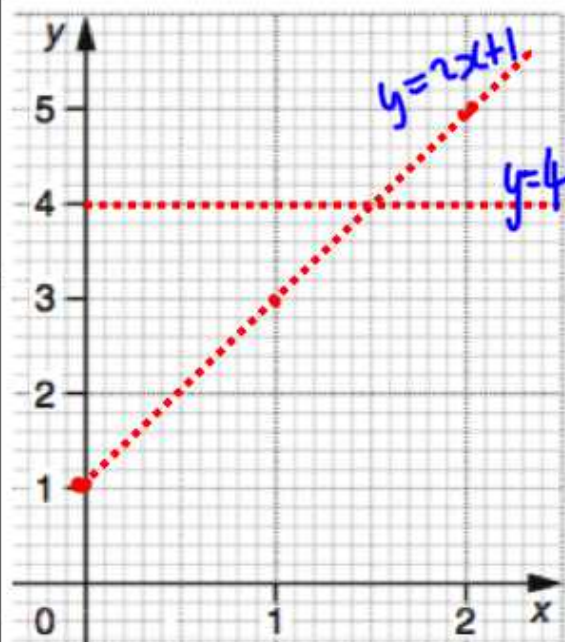$\sqrt[3]{64} = 4$

$4 \times 4 \times 4 = 64$

4

Calculate q

$\begin{array}{r} 1\overset{3}{3}0 \\ 80 \\ 80 \\ +1\,80 \\ \hline 290 \end{array}$

$\begin{array}{r} 360 \\ -290 \\ \hline 70 \end{array}$

$\begin{array}{r} 180 \\ -70 \\ \hline 110 \end{array}$

130°   80°   80°   110°   q

Complete this table for $y = 2x + 1$

x	0	1	2
y	1	3	5

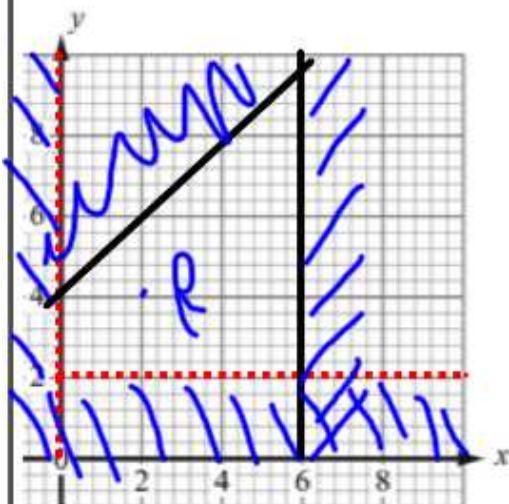Draw $y = 2x + 1$

Draw $y = 4$

$y = 2x + 1$

$y = 4$

Factorise $x^2 + x - 6$

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

Write eight million in standard form

8×10^6

$8,000,000$

Draw the inequalities:

$y \leq x + 4$
$y > 2$
$x \leq 6$
$x > 0$

Show with the region that satisfies those inequalities with the letter R

Rationalise the denominator

$\dfrac{20}{\sqrt{2}} \times \dfrac{\times\sqrt{2}}{\times\sqrt{2}} = \dfrac{20\sqrt{2}}{2} = 10\sqrt{2}$