

May 11th

5-a-day

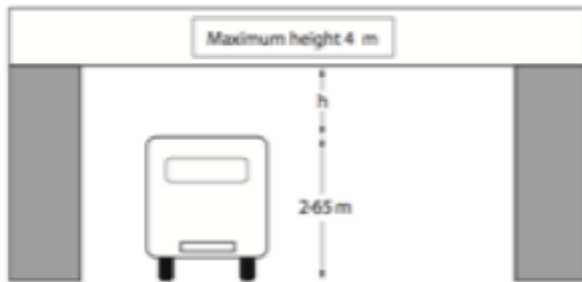
Numeracy

$-4 + 8 - 2$

2

$6 - 8$

-2



Work out the value of h

$4 - 2.65$   
 $= 1.35 \text{ m}$

$\frac{5}{2}$

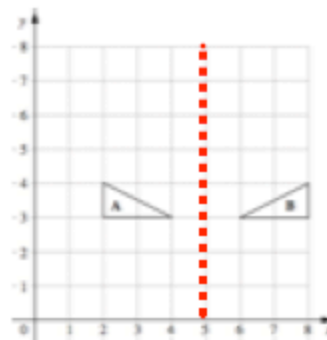
$2\frac{1}{2}$

Write as a mixed number

222 seconds is the same as .....<sup>3</sup>..... minutes and .....<sup>42</sup>..... seconds.

200 hours is the same as .....<sup>8</sup>..... days and .....<sup>8</sup>..... hours.

Draw the mirror line on the grid



May 11th

5-a-day

Foundation

Work out

$7 \times 10^3$

7000

Work out

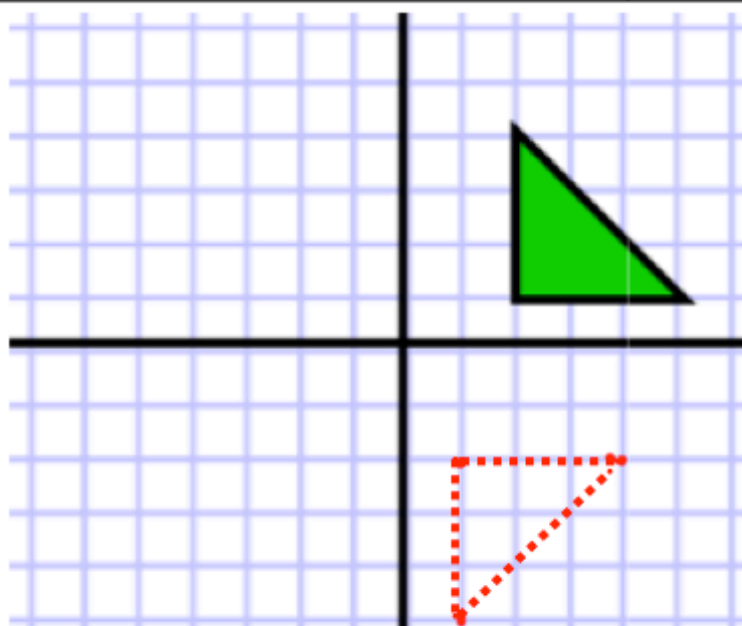
$4 \div 10^2$

0.04

Estimate  $\frac{7.01^2 + 0.978}{4.99^2}$

$$\frac{50}{5} = 10$$

$$\approx \frac{7^2 + 1}{5^2} = \frac{49 + 1}{5}$$



Rotate the triangle, 90 degrees clockwise about (0,0)

Complete the table for  $y = x^2 + 1$

x	-3	-2	-1	0	1	2	3
y	10	5	2	1	2	5	10

May 11

5-a-day

Higher

A biased dice is rolled 500 times.

The probability of a 4 is 0.45.

How many 4's are expected?

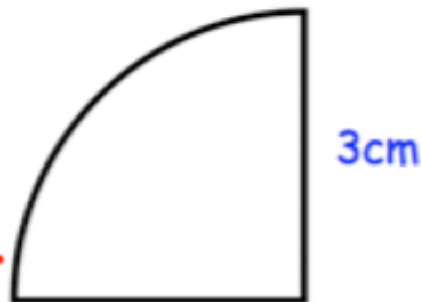
$$500 \times 0.45$$

$$= 225$$

Find the area

$$\frac{1}{4}(\pi r^2)$$

$$= \frac{1}{4} \times \pi \times 3^2 = 7.07 \text{ cm}^2$$



Solve

$$\frac{8 + 6x}{2x} = -7$$

$$8 + 6x = -14x$$

$$8 = -20x$$

$$x = -\frac{8}{20} = -0.4$$

Write down the Sine Rule

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

Sketch  $y = f(-x)$

