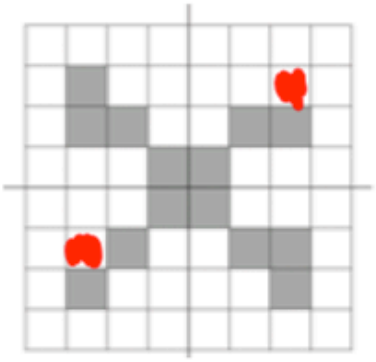
May 19th	5-a-day	Numeracy



Shade two more squares so that this picture has two lines of symmetry.

$5 + -5 = 0$

2 or -2

$7 + -5 = 2$

7 5 2 -2 -5

Use the numbers above to complete the sums.

13.75 + 8.5

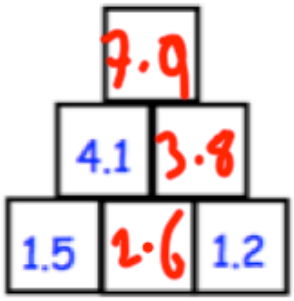
$$\begin{array}{r} 13.75 \\ +\ 8.5 \\ \hline 22.25 \end{array}$$

12 - 3.2

$$\begin{array}{r} {\scriptstyle 1}\ \ {\scriptstyle 1} \\ 12.0 \\ -\ 3.2 \\ \hline 8.8 \end{array}$$

The number in each block is found by adding the two blocks directly beneath it.

Find the missing numbers.



$4.1 - 1.5 = 2.6$

Monday	Tuesday	Wednesday	Thursday	Friday
2	−4	−1	3	0

Put these temperatures in order from lowest to highest

-4 -1 0 2 3

Work out the difference between the lowest and highest temperatures

7

Work out the median of the temperatures

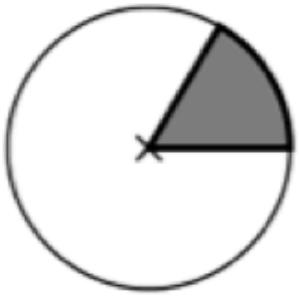
0

May 19th	5-a-day	Foundation

The nth term of a sequence is
5n - 1

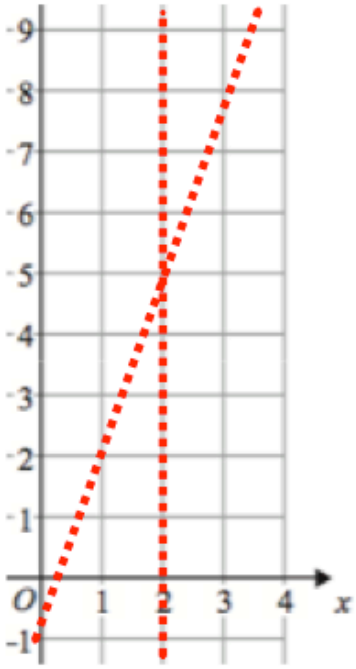
Work out the first 5 terms

4 9 14 19 24



What is the name of the shaded region?

Sector



On the grid, draw the graph y = 3x - 1

Draw x = 2

Write $\frac{13}{5}$ as a mixed number.

$2\frac{3}{5}$

May 19	5-a-day	Higher

1	5	6	2	4
6	2	5	6	5

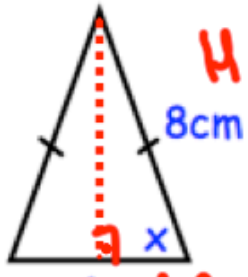
What is the relative frequency of a 6?

$\frac{3}{10}$ or 0.3

Based on results above, how many sixes would be expected if the dice was rolled 100 times?

100×0.3

30



H

C A H

2 A

Find x

$\cos x = \frac{2}{8}$

$x = \cos^{-1} \frac{1}{4}$

$= 75.52$

Work out four thousand times fifteen million.

Give your answer in standard form.

$4 \times 10^3 \times 15 \times 10^6$

$4 \times 10^3 \times 1.5 \times 10^7$

$= 6 \times 10^{10}$

Height	Frequency
$0 < h \leq 20$	30
$20 < h \leq 40$	50
$40 < h \leq 60$	10

Find the median, using linear interpolation

45th value

$20 + \frac{15}{50} \times 20$

$= 26$