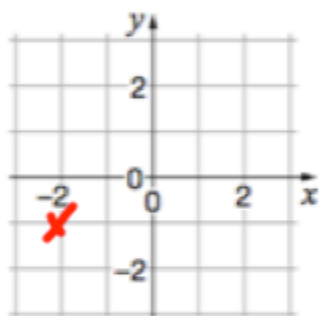




Name this shape hexagon

Draw a kite



Plot the coordinate (-2, -1)



$$\begin{array}{r} 180 \\ -30 \\ \hline 150 \end{array}$$

Find x

$$150 \div 2 = 75^\circ$$

Write as a mixed number

5
3

$$1\frac{2}{3}$$

		spinner 1		
		1	2	3
spinner 2	2	2	4	6
	3	3	6	9

Two spinners are spun. The scores are multiplied together to give a total score.

Complete the table.

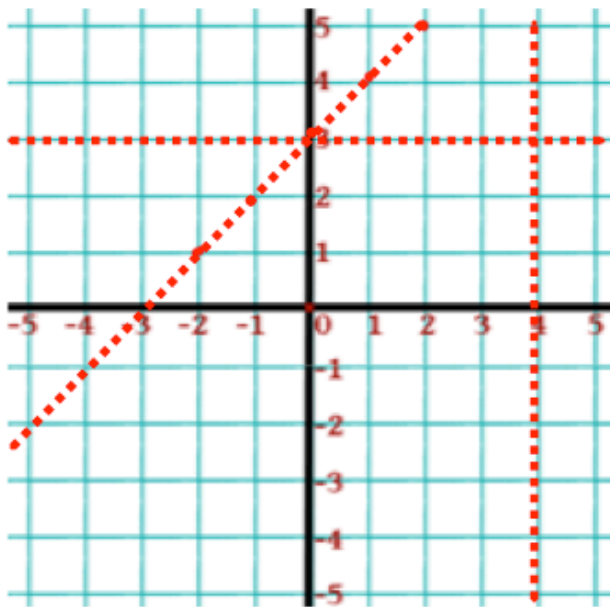
What is the probability of an odd total score?

$$\frac{2}{6} = \frac{1}{3}$$

Work out $5 \div \frac{3}{4}$

$$5 \times \frac{4}{3} =$$

$$\frac{20}{3} = 6\frac{2}{3}$$

Draw $x = 4$ Draw $y = 3$ Complete the table and draw the line $y = x + 3$

x	-2	-1	0	1	2
y	1	2	3	4	5

What is the reciprocal of $\frac{3}{4}$

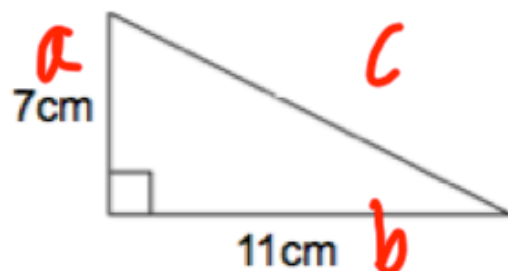
$$\frac{4}{3} = 1\frac{1}{3}$$

Find the length of the missing side

$$7^2 + 11^2 = c^2$$

$$49 + 121 = c^2$$

$$c = \sqrt{170} = 13.04\text{cm}$$



May 15

5-a-day

Higher

The population of birds on an island is decreasing by 6% a year.

In 2004 there were 7000 birds.

How many birds were there in 2007?

$$7000 \times 0.94^3$$

$$= 5814$$

Expand and simplify $(y + 5)^2$

$$(y+5)(y+5)$$

$$y^2 + 10y + 25$$

Write as a single power of 4.

$$\frac{4^5 \times 4^7}{4^3} = \frac{4^{12}}{4^3}$$

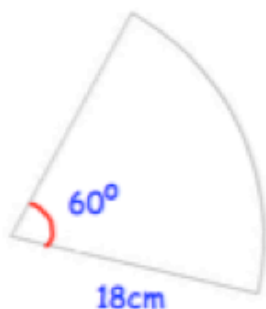
$$= 4^9$$

Solve

$$3x^2 - 16x + 16 = 0$$

$$(3x - 4)(x - 4) = 0$$

$$x = \frac{4}{3} \text{ or } x = 4$$



Arc

$$\frac{1}{6} \times \pi \times 36 = 6\pi$$

$$18 + 18 + 6\pi = 36 + 6\pi \text{ cm}$$

Calculate the perimeter. Leave your answer in terms of pi.