Name: _____

October 22nd	5-a-day	Numeracy

Rugby Football Rugby Hockey Cricket
Football Football Rugby Hockey Football
Rugby Cricket Hockey Football Football

Complete the tally chart.

Sport	Tally	Frequency
Rugby	1111	4
Football	1111 1	6
Hockey	111	3
Cricket	11	2

Complete a pictogram.

Key: ◯ represents 2 people

Rugby	◯◯
Football	◯◯◯
Hockey	◯
Cricket	◯

List the first ten prime numbers.

2, 3, 5, 7, 11
13, 17, 19, 23, 29

Write down all the factors of 50.

1, 2, 5, 10, 25, 50

Work out 10% of £5.

50p

Work out 30% of £2

10% = 20p
30% = 60p

Find x

90 + 108 + 125 = 323°
360 − 323 = 37°
180 − 37° = 143°

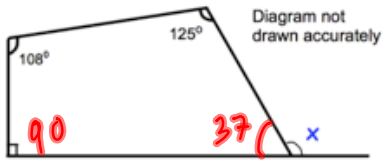
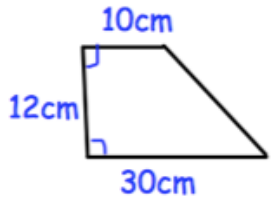
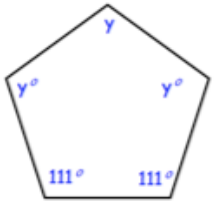
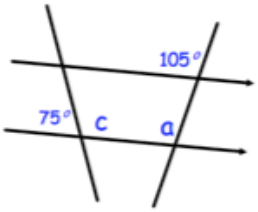
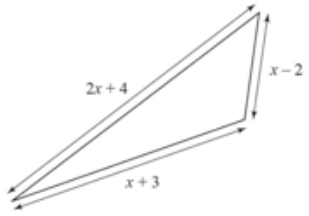
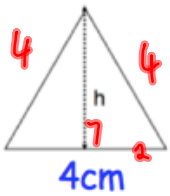


Diagram not drawn accurately

Name: _____

October 22	5-a-day	Foundation
$\frac{2}{5} \div \frac{2}{3}$	$\frac{2}{5} \times \frac{3}{2} = \frac{6}{10}$ $\frac{3}{5}$	
Find the area $\frac{1}{2}(10+30) \times 12$ $20 \times 12 = 240\ cm^2$		
Write as a single number in index form $3^3 \times 3^2 \times 3^4$	3^9	
	Find y $540 - 222$ $= 318$ $318 \div 3 = 106°$	
	Size of a? $105°$ Size of c? $105°$	

Name: _____

October 22	5-a-day	Higher
Expand and simplify $(y - 2)(2y + 5)$ $2y^2 + 5y - 4y - 10$	$2y^2 + y - 10$	
$x = 2y + 3$ Rearrange the formula to make y the subject	$x - 3 = 2y$ $y = \frac{x-3}{2}$	
	The perimeter of the triangle is 53cm. Find x. $4x + 5 = 53$ $4x = 48$ $x = 12cm$	
	Find the height of this equilateral triangle. $a^2 + b^2 = c^2$ $2^2 + h^2 = 4^2$ $h^2 = 4^2 - 2^2$ $h^2 = 16 - 4$ $h^2 = 12$ $h = 3.464cm$	
The length of a field is 60m to the nearest ten metres. 65 The width of the field is 20m to the nearest metre. 20.5	Work out the maximum area of the field. $65 \times 20.5 = 1332.5m^2$	