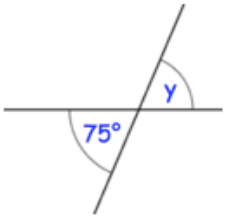
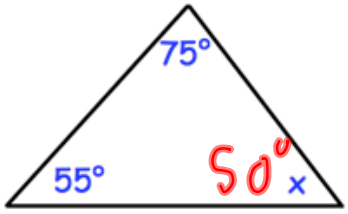
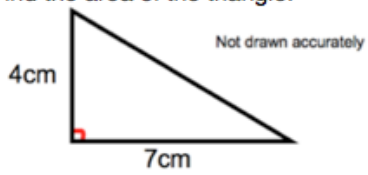
Name: _____

November 2nd	5-a-day	Numeracy
$-5 + 6$ 1		$-20 \div 4$ -5
Find y 75°		
Find x $55 + 75 = 130$ $180 - 130 = 50$		
Find the area of the triangle. 		$\frac{1}{2}(7 \times 4) = 14\text{cm}^2$
James saves money every week. Week 1 he saves 1p Week 2 he saves 2p Week 3 he saves 4p Week 4 he saves 8p and so on. 16, 32, 64, 128	How much money does he have saved in total up to and including week 8. £2.55	

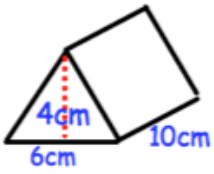
Name: _____

November 2	5-a-day	Foundation

Factorise $x^2 - 3x$

$x(x-3)$

Calculate the volume



$\frac{1}{2}(6 \times 4) = 12cm^2$

$12 \times 10 = 120cm^3$

Simplify

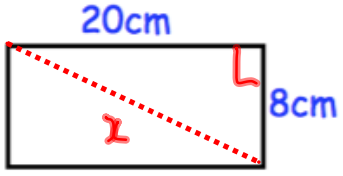
$$\frac{3^3 \times 3^6}{3^4}$$

$\frac{3^9}{3^4}$

$= 3^5$

Between which two consecutive integers does $\sqrt[3]{20}$ lie?

$\sqrt[3]{8} = 2$ $\sqrt[3]{27} = 3$ 2 and 3



What is the length of the diagonal?

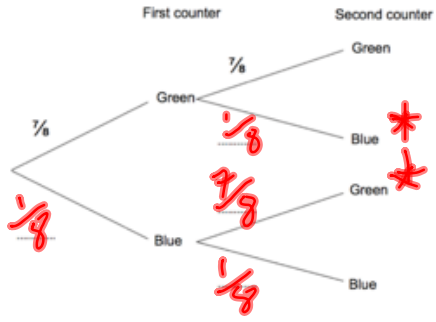
$8^2 + 20^2 = x^2$

$464 = x^2$

$x = 21.54cm$

Name: _____

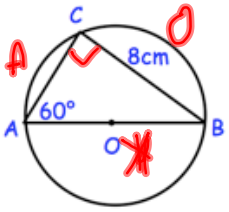
November 2	5-a-day	Higher



Complete the tree diagram.

There are green and blue counters in a container.
Kevin takes at random a counter from the container. He replaces the counter in the container.
Kevin takes at random a second counter from the container.

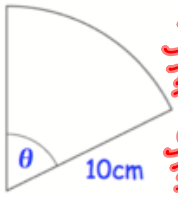
Work out the probability Kevin picks counters that are different colours.



Find AC.

Simplify fully

$$\frac{v+3}{15} \div \frac{v^2+3v}{25}$$



The area of the sector is 30cm².
Find the size of the missing angle.