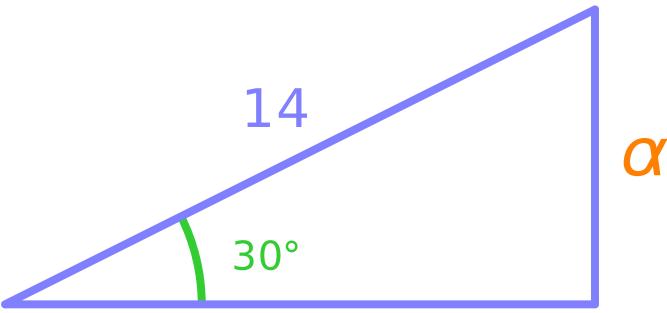
Mathematical Treasure Hunt

Solve the following mathematical puzzles to find a number for each Greek letter. Convert this number into a letter using the Cipher, and enter into the answer grid to reveal a word or phrase.

Some questions can be solved using information displayed in the Leighton Building, or other places on Campus.





β

What is the y coordinate of the intersect of the two lines

$$y = 2x$$
 and $y = -x + 6$

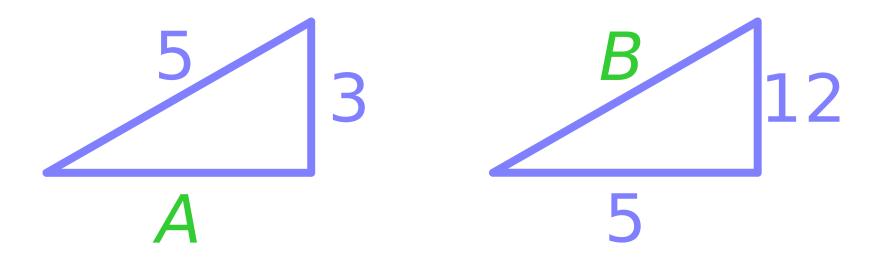
γ

$$2\gamma^2 + 17\gamma + \gamma^2 - 30 = 15\gamma + 8 + 3\gamma^2$$

$$\gamma = ?$$

Find
$$\delta$$
 if $\delta > 0$ and
$$\delta^2 + \delta - 20 = 0.$$





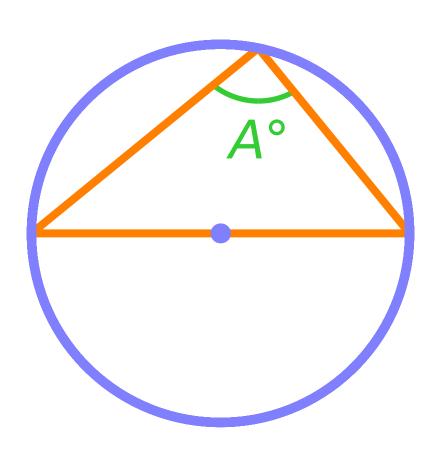
$$A + B = \epsilon$$

(3)

UCLan's sports centre is named after a local footballing legend

Sir ???? ????

 $\zeta = 5 + \text{number of letters in his}$



$$\frac{A}{5} = \eta$$

$$y = 1 + x^2$$

$$(?, \theta)$$

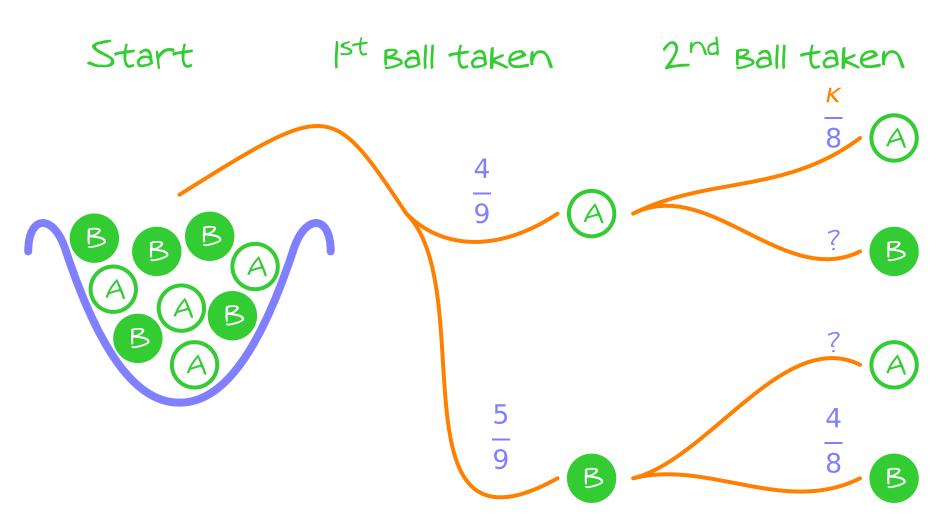
UCLan was originally know as the Institute for the Diffusion of Knowledge.

1 = Last digit of

Year of founding of institute

4





 λ

Find & where ...

$$\begin{pmatrix} 3 \\ - \\ 4 \end{pmatrix}^{\lambda} = 1.$$

The Leighton Building was officially opened on a day in May 1992.

 $\mu = \text{This day } -2.$

4, 7, 12, v, 28, 39

The Fibonacci Sequence starts 1, 1, 2. What is the 6th term?

What is the missing prime factor of 36?

 $36 = 2 \times 3 \times 3 \times 0$

Expand $(1 + 2x)^4$. What is the coefficient of x? Number of days

in a leap year

6

Mumber of
months with
31 days

12! 4! --- + ---11! 2!