

Hello y6

Friday.

Today you have a prime number investigation.

First search **topmarks prime numbers** and learn interactively in **the multiples factors primes and composites interactive lesson for 9-10 year olds**.

Next, write the definition of a prime number.

Write the definition of a composite number.

Write the prime numbers up to 21

Now carry out the challenge:

Each letter stands for a number.

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13

  

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Some words add up to prime numbers. For example,

D I N O S A U R has a total of 101.

B U R G L A R has a total of 79.

*For each prime number that lies between 10 and 30,  
find an example of a word that has its total.*

*Now try some higher prime numbers.*

Scroll down for answers:

A prime number has 2 factors only: 1 and itself

A composite number is any number that is not prime

Primes: 2,3,5,7,11,13,17,19

Examples: bed had ice egg den pal pan tap pet  
fad he back do ago lob pack up lit