Stage 7 – Number: Numbers and the Number System

Know it!

Knowledge	
I know…	How to find prime numbers.
I know…	How to find the HCF and LCM of at least two given numbers.
I know…	How to use HCF and LCM to solve problems.
I know…	What triangular, square and cube numbers are.
I know…	How to read, write and evaluate powers.
I know…	How to define and find roots.

Link it!

Backward	Forward
Multiples, Factors. Prime numbers. Square numbers.	Prime factors. Using a scientific calculator.

Prove it!

Kenny says '20 is a square number because $10^2 = 20$'. Explain why Kenny is wrong. Kenny is partially correct. How could he change his statement so that it is fully correct?

Always / Sometimes / Never: The lowest common multiple of two numbers is found by multiplying the two numbers together.

Say it!

Vocabulary	Definition
Multiple	The result of multiplying a number by an integer (not by a fraction).
Factor	Numbers we can multiply together to get another number.
LCM	Short for Lowest Common Multiple.
HCF	Short for Highest Common Factor
Prime Number	A whole number with exactly two factors.
Power	The power of a number says how many times to use the number in a multiplication.
Root	A value that when multiplied by itself a given number of times, gives the number.
Index notation	The index of a number says how many times to use the number in a multiplication.
Radical notation	A square root, cube root, etc. The symbol is √