



This half term the children are working towards achieving their individual KIRF targets, indicated below. The ultimate aim is for your child to be able to recall these facts *instantly!*

Recap square numbers up to 12^2 and their square roots.

Know the 1st 5 cubed numbers.

Know prime numbers to 100.

Square numbers and square roots

$1^2 = 1 \times 1 = 1$	$\sqrt{1} = 1$
$2^2 = 2 \times 2 = 4$	$\sqrt{4} = 2$
$3^2 = 3 \times 3 = 9$	$\sqrt{9} = 3$
$4^2 = 4 \times 4 = 16$	$\sqrt{16} = 4$
$5^2 = 5 \times 5 = 25$	$\sqrt{25} = 5$
$6^2 = 6 \times 6 = 36$	$\sqrt{36} = 6$
$7^2 = 7 \times 7 = 49$	$\sqrt{49} = 7$
$8^2 = 8 \times 8 = 64$	$\sqrt{64} = 8$
$9^2 = 9 \times 9 = 81$	$\sqrt{81} = 9$
$10^2 = 10 \times 10 = 100$	$\sqrt{100} = 10$
$11^2 = 11 \times 11 = 121$	$\sqrt{121} = 11$
$12^2 = 12 \times 12 = 144$	$\sqrt{144} = 12$

Cube number is any number multiplied by itself three times.
E.g. $n \times n \times n$.

It can be written as n^3

The first five cube numbers are:

$$1 \times 1 \times 1 = 1$$

$$2 \times 2 \times 2 = 8$$

$$3 \times 3 \times 3 = 27$$

$$4 \times 4 \times 4 = 64$$

$$5 \times 5 \times 5 = 125$$

Cubed Numbers



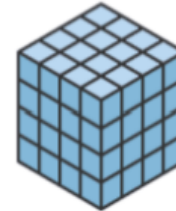
1 is the first cube number, because $1 \times 1 \times 1 = 1$



8 is the second cube number, because $2 \times 2 \times 2 = 8$



27 is the third cube number, because $3 \times 3 \times 3 = 27$



64 is the fourth cube number, because $4 \times 4 \times 4 = 64$

PRIME NUMBERS

A PRIME NUMBER IS A NUMBER WHOSE ONLY FACTORS ARE 1 AND ITSELF.

1 - 100

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

29, 31, 37, 41, 43, 47, 53, 59,

61, 67, 71, 73, 79, 83, 89, 97

Our Lonely 1

It is not prime because it does not have exactly two different factors.



It is not composite because it does not have more than 2 factors.

Special Note:

One is not a prime nor a composite number.

Building confidence in mathematics is crucial so be pleased with your child's efforts and always encourage with praise. Make sure these practice sessions are enjoyable - if your child is really not in the mood it is the wrong time to be practising!