



Key Instant Recall Facts

Year 6 – Summer 1











Key Information

We have a few weeks left before the SATS week and we'll be revising as much as possible of the curriculum and practising arithmetic skills. The following are amongst 'The Key Instant Recall Facts' that should be really 'instant' at this stage.

- Converting between fractions, decimals, proportions and percentages. e.g. $35\% = 0.35 = 35/100 = 7/20 = 7$ out of 20.
- Names and properties of all 2D and 3D shapes, including all types of triangles and quadrilaterals, cubes and pyramids.
- Factors of a number up to at least 50 should be quickly worked out.
- Converting 12 hour and 24 hour clock time.
- Times tables 2x to 12x and all related division and multiplication facts.

Children should also be able to recall the formula for finding the area of different shapes:

The area of a shape is a measure of the size of its surface.

Square Area = l^2	Rectangle Area = $l \times w$	Triangle Area = $\frac{1}{2} b \times h$	Parallelogram Area = $b \times h$
			
Trapezium Area = $\frac{1}{2} (a + b)h$	Rhombus Area = $\frac{1}{2} a \times b$	Circle Area = πr^2	Sector Area = $\frac{\theta}{360} \pi r^2$
			

Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

It is very important that your child uses mathematical vocabulary accurately. They must use language such as height, length, base, width and radius when recalling the appropriate formulae.



Key Instant Recall Facts

Year 6 – Summer 2

I know the first 5 cubed numbers

For our final half term in year 6 we will be focusing on problem solving problem.

By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

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:

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

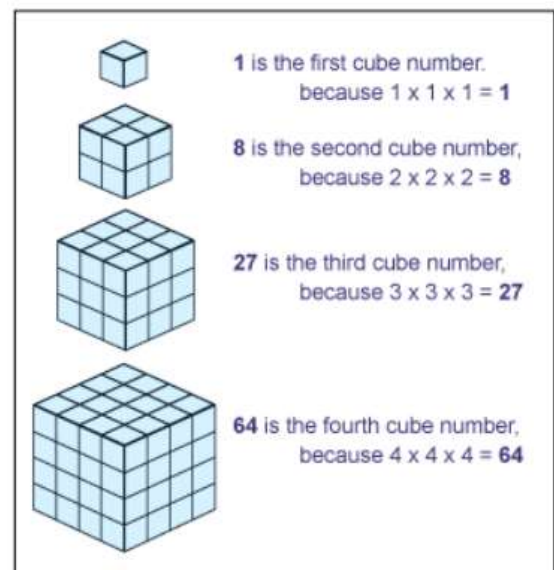
$$2 \times 2 \times 2 = 8$$

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

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

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

Children should be able to explain what a cube number is and recall the first five cube numbers quickly. Use visual images to help children understand what a cube number is.



Key Vocabulary

Cube number

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