



Maths—Key Instant Recall Facts

Challenge 6.1

Before moving onto the next challenge, your child should know the following facts. The aim is for them to recall these facts instantly.

Your child's KIRF this half term is: Common factors and multiples.

E.g. $30 = 2 \times 3 \times 5$ & $20 = 2 \times 2 \times 5$

In addition you can help by practicing the following:

Number lines to 10,000,000	0 1 2 3 4 5 6 7 8 9 10 million million million million million million million million million million Draw arrows to show the positions of these numbers on the number line. 1,500,000 five and a half million 6,200,000 8,950,000
Compare any integer	
Round any integer	Round 8,640,000 to the nearest million.
Square & cube numbers	● + ▲ = 38 ● is a cube number. ▲ is a prime number. Find pairs of values for ● and ▲.

Top Tips

The secret to success is practicing little and often. Use time wisely. Can you practice these KIRFs while walking to school or during a car journey? You do not need to practice 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.



Calculations

Challenge 6.1

Children will learn addition using the following methods.

Skill: Add numbers with more than 4 digits

Year: 6

$$104,328 + 61,731 = 166,059$$

1	0	4	3	2	8
+	6	1	7	3	1
1	6	6	0	5	9

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Place value counters or plain counters on a place value grid are the most effective concrete resources when adding numbers with more than 4 digits.

At this stage, children should be encouraged to work in the abstract, using the column method to add larger numbers efficiently.