



# Key Instant Recall Facts


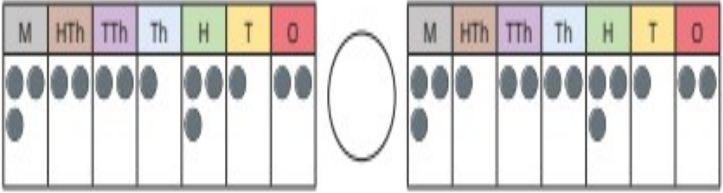






## Year 6—Autumn 1

By the end of this half term, children 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:

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

### Top Tips

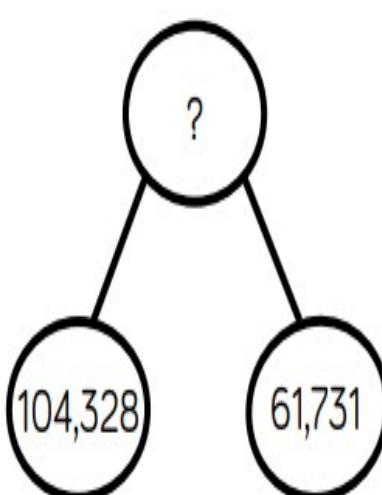
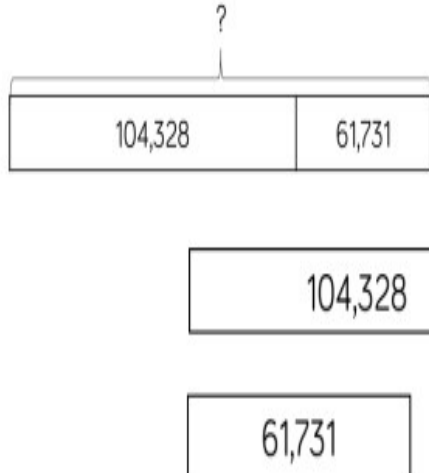
The secret to success is practicing little and often. Use time wisely. Can you practice these KIRFs while walking to school or during a car journey? You do not need to practice them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.



# Calculations

## Year 6—Autumn 1

In year 6 this half term, the children will learn addition using the following methods.

Skill: Add numbers with more than 4 digits	Year: 6																																										
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <div style="text-align: center; margin: 20px 0;"> <div style="border: 1px solid black; padding: 5px; display: inline-block;">104,328</div> <div style="font-size: 2em; vertical-align: middle;">}</div> <div style="font-size: 2em; vertical-align: middle;">?</div> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 10px;">61,731</div> </div> <div style="text-align: center; margin: 20px 0;"> <div style="border: 2px solid black; border-radius: 15px; padding: 10px; display: inline-block;"> <math>104,328 + 61,731 = 166,059</math> </div> </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <table border="1" style="border-collapse: collapse; text-align: center; width: 40%;"> <thead> <tr style="background-color: #fce4d6;"> <th style="width: 16.6%;">HTh</th> <th style="width: 16.6%;">TTh</th> <th style="width: 16.6%;">Th</th> <th style="width: 16.6%;">H</th> <th style="width: 16.6%;">T</th> <th style="width: 16.6%;">O</th> </tr> </thead> <tbody> <tr> <td style="text-align: left;">100000</td> <td></td> <td style="text-align: left;">1000 1000 1000 1000</td> <td style="text-align: left;">100 100 100</td> <td style="text-align: left;">10 10</td> <td style="text-align: left;">1 1 1 1 1 1 1 1</td> </tr> <tr> <td></td> <td style="text-align: left;">10000 10000 10000 10000 10000 10000</td> <td style="text-align: left;">1000</td> <td style="text-align: left;">100 100 100 100 100 100 100</td> <td style="text-align: left;">10 10 10</td> <td style="text-align: left;">1</td> </tr> </tbody> </table> <table border="1" style="border-collapse: collapse; text-align: center; width: 20%;"> <tbody> <tr><td>1</td><td>0</td><td>4</td><td>3</td><td>2</td><td>8</td></tr> <tr><td>+</td><td>6</td><td>1</td><td>7</td><td>3</td><td>1</td></tr> <tr style="border-top: 1px solid black;"><td>1</td><td>6</td><td>6</td><td>0</td><td>5</td><td>9</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> </tbody> </table> </div>	HTh	TTh	Th	H	T	O	100000		1000 1000 1000 1000	100 100 100	10 10	1 1 1 1 1 1 1 1		10000 10000 10000 10000 10000 10000	1000	100 100 100 100 100 100 100	10 10 10	1	1	0	4	3	2	8	+	6	1	7	3	1	1	6	6	0	5	9						1	<p>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.</p> <p>At this stage, children should be encouraged to work in the abstract, using the column method to add larger numbers efficiently.</p>
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