



Maths—Key Instant Recall Facts

Challenge 5.1

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: Find 10, 100, 1,000, 10,000, 100,000 more or less

E.g. $532 + 10 = 542$, $532 + 100 = 632$, $532 + 1000 = 1532$,
 $532 + 10,000 = 10,532$, $532 + 100,000 = 100,532$

In addition you can help by practicing the following:

Partition numbers to 1,000,000	
Number lines to 1,000,000	Label the start and end points on the number line.
Compare numbers to 1,000,000	Write $<$, $>$ or $=$ to make the statements correct. 450,000 540,000 101,600 99,999
Round numbers within 1,000,000	Which numbers round to 4,600 to the nearest 100? 4,620 4,605 4,590 4,545 4,499 4,650

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 5.1

Children will learn addition using the following methods.

Skill: Add numbers with more than 4 digits	Year: 5/6																																				
? 104,328 61,731 104,328 61,731 104,328 61,731 104,328 + 61,731 = 166,059 <table><tr><th>HTh</th><th>TTh</th><th>Th</th><th>H</th><th>T</th><th>O</th></tr><tr><td> 100000 </td><td></td><td> 100010001000 </td><td> 100100100 </td><td> 1010 </td><td> 11111111 </td></tr><tr><td></td><td> 100001000010000 </td><td> 1000 </td><td> 100100100100100 </td><td> 101010 </td><td> 1 </td></tr></table> <table><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><td>1</td><td>6</td><td>6</td><td>0</td><td>5</td><td>9</td></tr></table> 1	HTh	TTh	Th	H	T	O	100000		100010001000	100100100	1010	11111111		100001000010000	1000	100100100100100	101010	1	1	0	4	3	2	8	+	6	1	7	3	1	1	6	6	0	5	9	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.
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