



Key Instant Recall Facts

Challenge 5.2

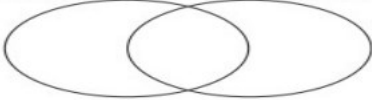
Before moving on to the next challenge, children should know the following facts. The aim is for them to recall these facts **instantly**.

Your child's KIRF this half term is: Common equivalent fractions

$$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$$

$$\frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{12}$$

In addition you can help by practicing the following:

Common Multiples	<table border="1"> <tr> <td></td> <td style="background-color: #c8e6c9;">Multiple of 7</td> <td style="background-color: #c8e6c9;">Not a multiple of 7</td> </tr> <tr> <td style="background-color: #c8e6c9;">Multiple of 4</td> <td></td> <td></td> </tr> <tr> <td style="background-color: #c8e6c9;">Not a multiple of 4</td> <td></td> <td></td> </tr> </table>		Multiple of 7	Not a multiple of 7	Multiple of 4			Not a multiple of 4		
	Multiple of 7	Not a multiple of 7								
Multiple of 4										
Not a multiple of 4										
Common Factors	<p>Write the numbers in the sorting diagram.</p> <p> 1 5 8 10 15 20 </p> <p style="text-align: center;"> factors of 30 factors of 40 </p> 									
Convert fractions	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; background-color: #e8f5e9;"> $2 \frac{\square}{8} = \frac{\square}{8}$ </div> <div style="border: 1px solid black; padding: 5px; background-color: #e8f5e9;"> $2 \frac{\square}{5} = \frac{\square}{5}$ </div> </div>									
Compare fractions	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> $4\frac{1}{2} \bigcirc 4\frac{1}{5}$ </div> <div style="text-align: center;"> $2\frac{4}{5} \bigcirc 2\frac{4}{7}$ </div> </div>									

Top Tips

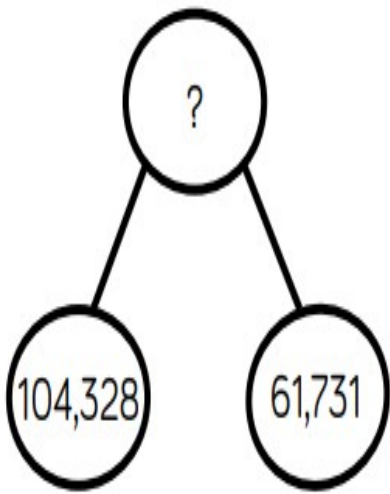
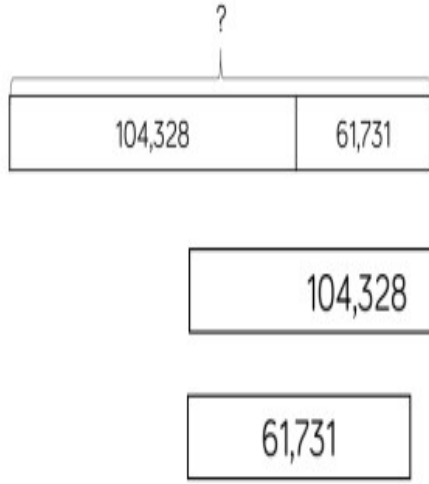
The secret to success is practicing little and often. Use time wisely. Can you practice these KIRFs while walking to school or during a car journey? You do not need to practice them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.



Calculations

Challenge 5.2

Children will learn addition using the following methods.

Skill: Add numbers with more than 4 digits	Year: 5/6																																										
<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: 10px 0;"> <div style="border: 1px solid black; padding: 5px; display: inline-block;">104,328</div> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;">61,731</div> </div> <div style="text-align: center; margin: 10px 0;"> <div style="border: 1px solid black; padding: 5px; display: inline-block;">104,328</div> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;">61,731</div> </div> <div style="text-align: center; margin: 10px 0;"> <div style="border: 1px solid black; padding: 10px; display: inline-block; font-size: 1.2em;"> $104,328 + 61,731 = 166,059$ </div> </div> <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 10px;"> <table border="1" style="border-collapse: collapse; text-align: center; width: 40%;"> <thead> <tr style="background-color: #fce4d6;"> <th style="padding: 5px;">HTh</th> <th style="padding: 5px;">TTh</th> <th style="padding: 5px;">Th</th> <th style="padding: 5px;">H</th> <th style="padding: 5px;">T</th> <th style="padding: 5px;">O</th> </tr> </thead> <tbody> <tr> <td style="text-align: left;">10000</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>1</td><td></td></tr> </tbody> </table> </div>	HTh	TTh	Th	H	T	O	10000		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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