



Key Instant Recall Facts

Challenge 3.2

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: 3 times table facts.

E.g. $1 \times 3 = 3$, $2 \times 3 = 6$, $3 \times 3 = 9$, $4 \times 3 = 12$, $5 \times 3 = 15$, $6 \times 3 = 18$, $7 \times 3 = 21$

In addition you can help by practicing the following:

Adding two 3-digit numbers	<table border="1"> <thead> <tr><th>H</th><th>T</th><th>O</th></tr> </thead> <tbody> <tr><td>2</td><td>5</td><td>6</td></tr> <tr><td>+</td><td>1</td><td>8</td></tr> <tr><td colspan="3">_____</td></tr> <tr><td colspan="3">_____</td></tr> </tbody> </table>	H	T	O	2	5	6	+	1	8	_____			_____			<table border="1"> <thead> <tr><th>H</th><th>T</th><th>O</th></tr> </thead> <tbody> <tr><td>6</td><td>2</td><td>5</td></tr> <tr><td>+</td><td>2</td><td>9</td></tr> <tr><td colspan="3">_____</td></tr> <tr><td colspan="3">_____</td></tr> </tbody> </table>	H	T	O	6	2	5	+	2	9	_____			_____			<table border="1"> <thead> <tr><th>H</th><th>T</th><th>O</th></tr> </thead> <tbody> <tr><td>3</td><td>5</td><td>3</td></tr> <tr><td>+</td><td>2</td><td>4</td></tr> <tr><td colspan="3">_____</td></tr> <tr><td colspan="3">_____</td></tr> </tbody> </table>	H	T	O	3	5	3	+	2	4	_____			_____		
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Compliments to 100	$64 + 36 = 100$ $72 + 28 = 100$	$82 + \underline{\quad} = 100$ $\underline{\quad} + 23 = 100$																																														
Inverse operations	$35 + 12 = 47$ & $12 + 35 = 47$ $47 - 35 = 12$ & $47 - 12 = 35$																																															

Top Tips

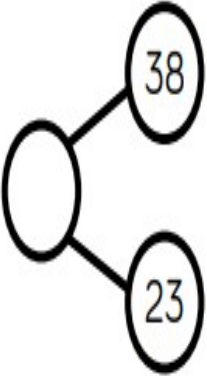
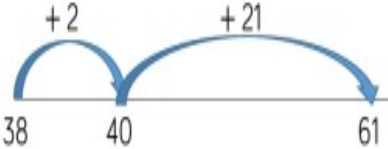
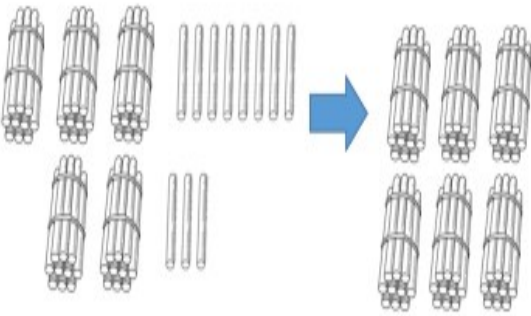
The secret to success is practicing little and often. Use time wisely. Can you practice these KIRFs while walking to school or during a car journey? You do not need to practice them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.



Calculations

Challenge 3.2

Children will learn addition using the following methods.

Skill: Add two 2-digit numbers to 100	Year: 3																				
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>?</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="width: 50px; height: 30px;"></td><td style="width: 50px; height: 30px;"></td></tr> <tr><td style="text-align: center;">38</td><td style="text-align: center;">23</td></tr> </table> </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <div style="text-align: center; margin: 20px 0;"> <div style="border: 2px solid blue; border-radius: 15px; padding: 10px; display: inline-block;"> <h3 style="margin: 0;">38 + 23 = 61</h3> </div> </div> <div style="display: flex; justify-content: space-around;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #fce4d6;"><th>Tens</th><th>Ones</th></tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> <div style="text-align: center;"> $\begin{array}{r} 38 \\ + 23 \\ \hline 61 \\ \hline 1 \end{array}$ </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #fce4d6;"><th>Tens</th><th>Ones</th></tr> </thead> <tbody> <tr><td>10 10 10</td><td>1 1 1 1</td></tr> <tr><td>10 10</td><td>1 1 1</td></tr> <tr><td>10</td><td>1 1 1</td></tr> </tbody> </table> </div>			38	23	Tens	Ones							Tens	Ones	10 10 10	1 1 1 1	10 10	1 1 1	10	1 1 1	<p>Children can use a blank number line and other representations to count on to find the total. Encourage them to jump to multiples of 10 to become more efficient.</p> <p>From Year 3, encourage children to use the formal column method when calculating alongside straws, base 10 or place value counters. As numbers become larger, straws become less efficient.</p>
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