



# Key Instant Recall Facts

## Year 6—Spring 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: solve 1-step algebraic equations

E.g.

Solve the equations.

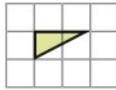
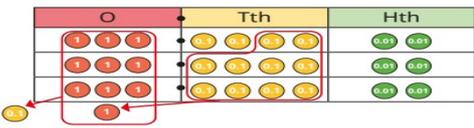
$3x = 21$

$y + 5 = 11$

$z - 6 = 8$

$p \div 3 = 10$

In addition you can help by practicing the following:

<p>Scale Factors</p>	<p>On squared paper, enlarge the triangle by a scale factor of 3</p> 																								
<p>Substitution</p>	<p>If <math>a = 5</math> and <math>b = 12</math>, work out the values of the expressions.</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;"><math>a + b</math></div> <div style="border: 1px solid black; padding: 2px;"><math>b - a</math></div> <div style="border: 1px solid black; padding: 2px;"><math>2b - a</math></div> <div style="border: 1px solid black; padding: 2px;"><math>a + 3b</math></div> <div style="border: 1px solid black; padding: 2px;"><math>b \div 2</math></div> <div style="border: 1px solid black; padding: 2px;"><math>20 \div a</math></div> </div>																								
<p>Multiply &amp; Divide by 10, 100 and 1,000</p>	<p>Complete the table.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>30</td> <td>3 kg</td> <td></td> <td></td> <td></td> </tr> <tr> <td><math>\div 10</math></td> <td></td> <td></td> <td>0.9</td> <td></td> <td></td> </tr> <tr> <td><math>\div 100</math></td> <td></td> <td></td> <td></td> <td></td> <td>0.09</td> </tr> <tr> <td><math>\div 1,000</math></td> <td></td> <td></td> <td></td> <td>9</td> <td></td> </tr> </table>		30	3 kg				$\div 10$			0.9			$\div 100$					0.09	$\div 1,000$				9	
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<p>Multiply &amp; Divide decimals by integers</p>	<p>Dexter uses place value counters to work out <math>3.42 \times 3</math></p> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <table border="1" style="border-collapse: collapse; text-align: right;"> <tr><td></td><td></td><td>3</td><td>+</td><td>4</td><td>2</td></tr> <tr><td><math>\times</math></td><td></td><td>1</td><td>0</td><td>+</td><td>2</td><td>6</td></tr> <tr><td></td><td></td><td></td><td></td><td>1</td><td></td></tr> </table> </div> </div> <p>Use Dexter's method to work out the multiplications.</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;"><math>2.31 \times 4</math></div> <div style="border: 1px solid black; padding: 2px;"><math>3.75 \times 3</math></div> <div style="border: 1px solid black; padding: 2px;"><math>0.55 \times 2</math></div> <div style="border: 1px solid black; padding: 2px;"><math>1.08 \times 3</math></div> </div>			3	+	4	2	$\times$		1	0	+	2	6					1						
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### 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—Spring 1

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

Skill: Multiply 4-digit numbers by 2-digit numbers	Year: 5/6																																																																								
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