



# Year 5 Spring 2 KIRFs

Key Instant Recall Facts (KIRFs) are designed to support the development of the mental skills that underpin much of the maths work in school. Instant recall facts help enormously with mental agility within maths lessons.

**Your child's KIRF this term is:**  
Decimal equivalents 100ths

$\frac{1}{100} = 0.01$	$\frac{17}{100} = 0.17$	$\frac{26}{100} = 0.26$
$\frac{52}{100} = 0.52$	$\frac{63}{100} = 0.63$	$\frac{99}{100} = 0.99$
$\frac{1}{10} = 0.1$	$\frac{2}{10} = 0.2$	$\frac{3}{10} = 0.3$
$\frac{4}{10} = 0.4$	$\frac{5}{10} = 0.5$	$\frac{6}{10} = 0.6$
$\frac{7}{10} = 0.7$	$\frac{8}{10} = 0.8$	$\frac{9}{10} = 0.9$

In addition you can help by practising the following:

Value of each digit in 5 digit numbers 2dp	674.61	600 + 70 + 4 + 0.6 + 0.01																													
Rounding	674.61	<table style="width: 100%; text-align: center;"> <tr><td>Nearest thousand</td><td>1000</td></tr> <tr><td>Nearest hundred</td><td>700</td></tr> <tr><td>Nearest ten</td><td>670</td></tr> <tr><td>Nearest whole number</td><td>675</td></tr> <tr><td>Nearest tenth</td><td>674.6</td></tr> </table>	Nearest thousand	1000	Nearest hundred	700	Nearest ten	670	Nearest whole number	675	Nearest tenth	674.6																			
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Bonds to 10 to 2 decimal places	1.37 + 8.63 = 10     6.24 + 3.76 = 10																														
Lines of symmetry																															
Add and subtract two 4-digit numbers 1 decimal place	<table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td></td><td>3</td><td>5</td><td>4</td><td>.</td><td>7</td><td></td></tr> <tr><td>+</td><td>4</td><td>9</td><td>0</td><td>.</td><td>4</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td>.</td><td></td><td></td></tr> </table>		3	5	4	.	7		+	4	9	0	.	4						.			354.7 + 490.4								
	3	5	4	.	7																										
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				.																											
Doubles and halves of all multiples of 10 to 1000	Double 250 is 500     Half of 320 is 160																														
Multiply and divide by 10 100 and 1000	<table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>10 000</td><td>1000</td><td>100</td><td>10</td><td>1</td><td>•</td><td><math>\frac{1}{10}</math></td><td><math>\frac{1}{100}</math></td><td><math>\frac{1}{1000}</math></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td></tr> </table>	10 000	1000	100	10	1	•	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$						•									•				<table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>MULTIPLYING</b>            X 10    digits move LEFT 1 space            X 100   digits move LEFT 2 spaces            X 1000   digits move LEFT 3 spaces  </td> <td style="width: 50%; vertical-align: top;"> <b>DIVIDING</b>            ÷ 10    digits move RIGHT 1 space            ÷ 100   digits move RIGHT 2 spaces            ÷ 1000   digits move RIGHT 3 spaces  </td> </tr> </table>	<b>MULTIPLYING</b> X 10    digits move LEFT 1 space X 100   digits move LEFT 2 spaces X 1000   digits move LEFT 3 spaces 	<b>DIVIDING</b> ÷ 10    digits move RIGHT 1 space ÷ 100   digits move RIGHT 2 spaces ÷ 1000   digits move RIGHT 3 spaces 
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Convert between mm cm and m		<p>0.01m = 1cm = 10mm            1m = 100cm = 1000mm            1.275m = 127.5cm = 1275mm</p>																													