



# St John Fisher RC Primary School

## Year 5 Maths Knowledge Organiser

### Summer Term One: Decimals

Objectives	Teacher
I can add decimal numbers	
I can subtract decimal numbers	
I can solve problems involving adding and subtracting decimals	

Adding decimals	Subtracting decimals																																										
<p><math>1.6 + 5.32 = 6.92</math></p> <table style="display: inline-table; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">Ones</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">Tenths</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">Hundredths</td> <td style="padding: 0 10px;">+</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">1</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">6</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">0</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">6</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">9</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">2</td> <td></td> <td style="border: 1px solid black; padding: 5px; text-align: center;">5</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">3</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">2</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">6</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">9</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">2</td> <td></td> <td style="border: 1px solid black; padding: 5px; text-align: center;">6</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">9</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">2</td> </tr> </table>	Ones	Tenths	Hundredths	+	1	6	0	6	9	2		5	3	2	6	9	2		6	9	2	<p><math>6.73 - 1.3 =</math></p> <table style="display: inline-table; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">Ones</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">Tenths</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">Hundredths</td> <td style="padding: 0 10px;">-</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">6</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">7</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">3</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">5</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">4</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">3</td> <td></td> <td style="border: 1px solid black; padding: 5px; text-align: center;">1</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">3</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">0</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">5</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">4</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">3</td> <td></td> <td style="border: 1px solid black; padding: 5px; text-align: center;">6</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">4</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">3</td> </tr> </table>	Ones	Tenths	Hundredths	-	6	7	3	5	4	3		1	3	0	5	4	3		6	4	3
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#### Key Vocabulary

<b>decimal point</b>	a dot placed after the figure representing ones in a decimal fraction.
<b>tenths</b>	Representing a tenth of a whole
<b>hundredths</b>	Representing a hundredth of a whole number

#### Sentence Stems

<ul style="list-style-type: none"> <li>• 1 = ____ tenths = ____ hundredths = ____ thousandths</li> <li>• ____ ones + ____ ones = 10 ones, so ____ tenths + ____ tenths = 10 tenths = 1</li> <li>• ____ hundredths/thousandths + ____ hundredths/thousandths = 1</li> </ul>	<ul style="list-style-type: none"> <li>• ____ can be partitioned into ____ and ____</li> <li>• The first number is ____ away from 1 The second number can be partitioned into ____ and ____ The total is 1 + ____ = ____</li> <li>• I can subtract ____ to get to 1 and then subtract ____ from 1</li> </ul>
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#### Assessment (Self-Assessment)