

Mental MATH Facts

Grade Level Mastery Guidelines

Kindergarten	<i>Concept development only, no formal operation mastery.</i>																														
Grade 1	Master addition and subtraction facts to 12. <i>Informally introduce addition and subtraction facts to 18.</i>																														
Grade 2	Maintain addition and subtraction facts to 12. Master addition and subtraction facts to 18.																														
Grade 3	Maintain addition and subtraction facts to 18. Master multiplication facts to 12.																														
Grade 4	Maintain addition and subtraction facts to 18. Maintain multiplication facts to 12. Develop mental math strategies for extended facts in all operations.																														
Grade 5	Maintain addition and subtraction facts to 18. Maintain multiplication facts to 12. Master fraction, decimal, percent equivalents. <table style="width: 100%; border: none;"> <tr> <td style="padding-right: 20px;">$1/8$</td> <td style="padding-right: 20px;">.125</td> <td style="padding-right: 20px;">12.5%</td> <td style="padding-right: 20px;">$5/8$</td> <td style="padding-right: 20px;">.625</td> <td>62.5%</td> </tr> <tr> <td>$1/4$</td> <td>.25</td> <td>25%</td> <td>$2/3$</td> <td>.66</td> <td>66%</td> </tr> <tr> <td>$1/3$</td> <td>.33</td> <td>33%</td> <td>$3/4$</td> <td>.75</td> <td>75%</td> </tr> <tr> <td>$3/8$</td> <td>.375</td> <td>37.5%</td> <td>$7/8$</td> <td>.875</td> <td>87.5%</td> </tr> <tr> <td>$1/2$</td> <td>.5</td> <td>50%</td> <td></td> <td></td> <td></td> </tr> </table>	$1/8$.125	12.5%	$5/8$.625	62.5%	$1/4$.25	25%	$2/3$.66	66%	$1/3$.33	33%	$3/4$.75	75%	$3/8$.375	37.5%	$7/8$.875	87.5%	$1/2$.5	50%			
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Grade 6	Maintain addition, subtraction, and multiplication facts. Maintain mental math strategies for extended facts in all operations. Maintain fraction decimal equivalents.																														