

## INTELLIGENT MENTAL ARITHMETIC

senior (8yrs to 12Yrs)					
Phase	Level No.	Level	Months / Sessions	Level Outcomes	
<b>Basic Phase</b>	1	Basic	3 Months 12 Sessions	<ul style="list-style-type: none"> <li>*Learning how to use the abacus.</li> <li>* Addition operations from 1 digit till 4 digits.</li> <li>*Mental : <b>1d3</b> (5 + 4 - 7) .</li> <li>*Subtraction operations from 1 digit till 4 digits.</li> <li>*Mental : <b>1d3</b> (5 + 4 - 7) , 2d2 (24+ 75)</li> <li>*Hearing Test .</li> <li>* FlashCards .</li> </ul>	
	<b>Elm Phase</b>	2	Elementary A	3 Months 12 Sessions	<ul style="list-style-type: none"> <li>*Abacus Addition &amp; Subtraction from 1 digit to 4 digits.</li> <li>*Time table ( <b>2,3,4,5,9</b>) getting to know the timetable depending on the short memory</li> <li>*Creative thinking ( how to solve a story problem)</li> <li>* Negative.</li> <li>*Mental <b>1d5</b> (5+2-6+4+3) , <b>2d3</b> (23+51-14)</li> <li>*Hearing Test .</li> <li>* FlashCards .</li> </ul>
		3	Elementary B	3 Months 12 Sessions	<ul style="list-style-type: none"> <li>*Abacus Addition &amp; Subtraction from 1 digit to 4 digits</li> <li>*Time table ( <b>6,7,8</b>) getting to know the timetable depending on the short memory</li> <li>*Creative thinking ( How to solve a story problem)</li> <li>*Adding &amp; Subtracting of <b>Decimal</b> Problems (23.05 + 51.43 - 74.12)</li> <li>* Mental : <b>upto 1d10</b> (2+5+3+8-9-4+6-7+3-1), 2d5 (24 + 65 -17 + 22 -54) &amp; 3d2 (621 + 153)</li> <li>*Hearing Test .</li> <li>* FlashCards .</li> </ul>

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PHASE	Level No.	Level	months / sessions	level outcomes
<b>Inter Phase</b>	4	Intermediate A	4 Months 16 Sessions	* <b>Abacus</b> Addition & Subtraction from <b>1</b> digit till <b>4</b> digits. * <b>Mental 1,2d10</b> (25+2+11+23-8+10-5+23-9-20) - <b>1d15</b> (3+3+6+1-4+8-5+7-5+2-8+9+3+6-2) * <b>Multiplication:</b> 2,3d×1d(26×5),(356×3) <b>Abacus</b> * <b>Hearing Test</b> . * <b>FlashCards</b> .
	5	Intermediate B	4 Months 16 Sessions	* <b>Abacus</b> Addition & Subtraction from <b>1</b> digit till <b>4</b> digits. * <b>Mental 1,2d10</b> (25+2+11+23-8+10-5+23-9-20) - <b>1d15</b> (3+3+6+1-4+8-5+7-5+2-8+9+3+6-2) 2d7(24+56-31+18-11+92+57),3d3(321+642-145) * <b>Multiplication:</b> 2,3d×1d(26×5),(356×3) <b>Mental</b> * <b>Division:</b> 2,3,4,5d÷1d(190÷20),(880÷5),(5706÷6) <b>abacus</b> * <b>Hearing Test</b> . * <b>FlashCards</b> .
<b>Higher Phase</b>	6	Higher A	4 Months 16 Sessions	* <b>Abacus</b> Addition & Subtraction 1,2,3,4,5 digits. * <b>Mental 1d20</b> (2+3+6+7-4+9+4+2-3+9+3+5-4-3+5+9+4+6+2-3), <b>2d10</b> (33+65+18-94+14-12+86+42-31+50), <b>3d5</b> (231+625+376-218+932) <b>4d2</b> (4523+9214) * <b>Multiplication:</b> 2,3d×1d(26×5),(356×3) <b>Mental</b> * <b>Division:</b> 2,3,4,5d÷1d(190÷20),(880÷5),(5706÷6) <b>Mental</b> * <b>Hearing Test</b> . * <b>FlashCards</b> .
	7	Higher B	4 Months 16 Sessions	* <b>Abacus:</b> <b>Decimal</b> Addition & Subtraction. * <b>Mental:</b> upto <b>1d20</b> ((2+3+6+7-4+9+4+2-3+9+3+5-4-3+5+9+4+6+2-3) <b>2d10</b> (33+65+18-94+14-12+86+42-31+50), <b>3d5</b> (231+625+376-218+932) <b>4d2</b> (4523+9214) . * <b>Multiplication:</b> 2d×2d (23×45), 3d×3d (543×673) <b>Abacus</b> . * <b>Division:</b> 2,3,4,5d÷1d(190÷20),(880÷5),(5706÷6) <b>Mental</b> . 5,6d ÷ 1d (725238÷9), (166749÷7) <b>Abacus</b> . * <b>Hearing Test</b> . * <b>FlashCards</b> .
	8	Higher C	4 Months 16 Sessions	* <b>Abacus:</b> <b>Decimal</b> Addition & Subtraction. * <b>Mental:</b> upto <b>1d20</b> ((2+3+6+7-4+9+4+2-3+9+3+5-4-3+5+9+4+6+2-3) <b>2d10</b> (33+65+18-94+14-12+86+42-31+50), <b>3d5</b> (231+625+376-218+932) <b>4d2</b> (4523+9214) . * <b>Multiplication:</b> 2d×2d (23×45), 3d×3d (543×673) <b>Abacus</b> . * <b>Division:</b> 2,3,4,5d÷1d(190÷20),(880÷5),(5706÷6) <b>Mental</b> . 5,6d ÷ 1d (725238÷9), (166749÷7) <b>Abacus</b> . * <b>Hearing Test</b> . * <b>FlashCards</b> .