

Class 5 Progress Sample

Name of the child : _____

*This test is designed to identify the progress of children in some sample concepts.

For each competency questions A and B are of the same difficulty level, and question C is of the higher difficulty level.

Baseline : For each competency we ask question A. We record his / her response in baseline A record.

Endline : We test for these sample competencies again after the six months of Manchadi math lab experience.

For each question do the following :

If the child could not do question A independently or was not liking it at time of baseline, give question B. Record the response in Endline B record. Also give question C which is of a higher difficulty level. Record the response in Endline C record.

If the child could do question A correctly at the time of baseline, give him only question C at the time of endline.

If at the time of baseline, the child is already above the level of endline question, this cannot be captured in this test. We can say that the child is at or above the expected level.)

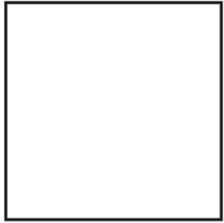
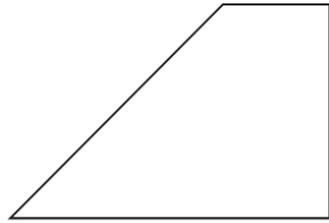
MAKE SURE THAT EVERY CHILD IS FAMILIAR WITH DOMINOES. THEY SHOULD KNOW HOW TO PLAY DOMINOES.

Dominoes used here are of two types. 1) Start to end 2) Loop

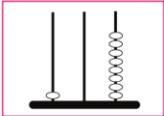
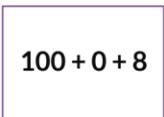
Start to End – The cards are shuffled and given to the child. She puts the card having START. On the right half of this card there is a picture/problem. The child has to find a card having matching picture or solution of that problem. The right half of that card has a next problem. Thus by putting cards the child has to reach upto the card having an END.

LOOP – The child can start with any card and complete the loop.

Dominoes ensures that the child is solving a number of problems based on each concept while playing the game. If he/she makes a mistake, the loop will not get completed. So, there is space for self-correction. Children do not realise that they are being assessed.

Activity /Question No.	Baseline question/Activity (A)	Baseline (A) - Record (You may tick more squares)	Endline question/activity (B)	Endline B record	End line question/activity (C)	Endline (C) Record
About Q. 1	<p>Use 4 tangram pieces to make the given shape</p> 		<p>Use 4 tangram pieces to make the given shape</p> 		<p>Use 5 tangram pieces to make the given shape</p> 	
1	Tangram puzzle card 1 (4 pieces)	Approach Enthusiastic <input type="checkbox"/> Engrossed <input type="checkbox"/> Comfortable <input type="checkbox"/>	Tangram puzzle card 2 (4 pieces)	Approach Enthusiastic <input type="checkbox"/> Engrossed <input type="checkbox"/> Comfortable <input type="checkbox"/>	Tangram puzzle card 3 (5 pieces)	Approach Enthusiastic <input type="checkbox"/> Engrossed <input type="checkbox"/> Comfortable <input type="checkbox"/>

		Little awkward <input type="checkbox"/> Didn't want to do <input type="checkbox"/> Outcome Could do it <input type="checkbox"/> Could not do it <input type="checkbox"/>		Little awkward <input type="checkbox"/> Didn't want to do <input type="checkbox"/> Outcome Could do it <input type="checkbox"/> Could not do it <input type="checkbox"/>		Little awkward <input type="checkbox"/> Didn't want to do <input type="checkbox"/> Outcome Could do it <input type="checkbox"/> Could not do it <input type="checkbox"/>
About Q. 2		Four-digit Numbers having zeros in units, tens, hundreds etc are to be tested.				
2	Play four digit currency and numbers dominoes.	Could complete the loop <input type="checkbox"/> Could not complete the loop <input type="checkbox"/>			Play four digit currency and numbers dominoes.	Could complete the loop <input type="checkbox"/> Could not complete the loop <input type="checkbox"/>
About Q. 3	Translation from numeral to number name and currency					
3	Read the number on your card and give those many rupees using	Could read the number <input type="checkbox"/> Could not read the number <input type="checkbox"/>	Read the number on your card and give those many rupees using	Could read the number <input type="checkbox"/> Could not read the number <input type="checkbox"/>	Read the number on your card and give those many rupees using	Could read the number <input type="checkbox"/> Could not read the number <input type="checkbox"/>

	thousand, hundred, ten and one rupee notes (4235)	Could give the amount <input type="checkbox"/> Could not give the amount <input type="checkbox"/>	thousand, hundred, ten and one rupee notes (3050)	Could give the amount <input type="checkbox"/> Could not give the amount <input type="checkbox"/>	thousand, hundred, ten and one rupee notes (6008)	Could give the amount <input type="checkbox"/> Could not give the amount <input type="checkbox"/>
About Q. 4	Amount in currency to number name and written numeral.					
4	Animator gives some rupees (a four digit number – Level A) using 1000, 100, 10 and 1 rupee notes. Children count and say the number and write it. (3546)	Could say the number <input type="checkbox"/> Could not say the number <input type="checkbox"/> Could write the number <input type="checkbox"/> Could not write the number <input type="checkbox"/>	Animator gives some rupees (a four digit number – Level B) using 1000, 100, 10 and 1 rupee notes. Children count and say the number and write it.	Could say the number <input type="checkbox"/> Could not say the number <input type="checkbox"/> Could write the number <input type="checkbox"/> Could not write the number <input type="checkbox"/>	Animator gives some rupees (a four digit number – Level C) using 1000, 100, 10 and 1 rupee notes. Children count and say the number and write it.	Could say the number <input type="checkbox"/> Could not say the number <input type="checkbox"/> Could write the number <input type="checkbox"/> Could not write the number <input type="checkbox"/>
About Q. 5	  		<p>Understanding three digit numbers in various representation and all forms – 1) Abacus, 2) Currency, 3) Mixed loose forms, 4) Hundreds, Tens and ones 5) Tight form 6) Numeral.</p> <p>It's in the game form. Therefore children do 14 numbers in all these forms to complete the game. These numbers have all types (e.g single digit, two digit, three digit having zeros at various places)</p>			
	  					
5	Play the card game of three digit numbers in all forms (e.g. 142,	Could do it without help <input type="checkbox"/> Could do it with help <input type="checkbox"/>	Play the card game of three digit numbers in all forms (e.g. 142,	Could do it without help <input type="checkbox"/> Could do it with help <input type="checkbox"/>	Play the card game of three digit numbers in all forms (e.g. 142,	Could do it without help <input type="checkbox"/> Could do it with help <input type="checkbox"/>

	100+40+2, 1 hundred 4 tens 2 ones, a picture of currency, a picture of abacus) for 3 numbers	Could not do it <input type="checkbox"/>	100+40+2, 1 hundred 4 tens 2 ones, a picture of currency, a picture of abacus) for 3 numbers	Could not do it <input type="checkbox"/>	100+40+2, 1 hundred 4 tens 2 ones, a picture of currency, a picture of abacus) for 3 numbers	Could not do it <input type="checkbox"/>
About Q. 6	Doing 4 digit addition mentally. If children's number sense is strong they will be able to do this. If they can't do it mentally and if they do it using currency, it will give them an idea on how to do it mentally.					
6	Read the addition on your card (2300 + 1200). What is the answer? Do it using currency notes if necessary.	Could answer mentally <input type="checkbox"/> Could answer after doing it using currency Could not answer <input type="checkbox"/>	Read the addition on your card (2000 + 306). What is the answer? Do it using currency notes if necessary.	Could answer mentally <input type="checkbox"/> Could answer after doing it using currency Could not answer <input type="checkbox"/>	Read the addition on your card (2500 + 2500). What is the answer? Do it using currency notes if necessary.	Could answer mentally <input type="checkbox"/> Could answer after doing it using currency Could not answer <input type="checkbox"/>
About Q.7	Doing 4 digit subtraction mentally. If children's number sense is strong they will be able to do this. If they can't do it mentally and if they do it using currency, it will give them an idea on how to do it mentally.					
7	Read the subtraction on your card (200 - 80). What is the answer? Do it using currency notes if necessary.	Could answer mentally <input type="checkbox"/> Could answer after doing it using currency Could not answer <input type="checkbox"/>	Read the subtraction on your card (100 - 62). What is the answer? Do it using currency notes if necessary.	Could answer mentally <input type="checkbox"/> Could answer after doing it using currency Could not answer <input type="checkbox"/>	Read the subtraction on your card (500 - 150). What is the answer? Do it using currency notes if necessary.	Could answer mentally <input type="checkbox"/> Could answer after doing it using currency Could not answer <input type="checkbox"/>

About Q. 8	Doing Multiplication problem given in real life context mentally.					
8	What is five times twenty? Use currency if necessary.	Could answer mentally <input type="checkbox"/> Could show it using currency <input type="checkbox"/> Could not show it using currency <input type="checkbox"/>	What is four times fifty? Use currency if necessary.	Could answer mentally <input type="checkbox"/> Could show it using currency <input type="checkbox"/> Could not show it using currency <input type="checkbox"/>	What is two times one hundred and thirty? Use currency if necessary.	Could answer mentally <input type="checkbox"/> Could show it using currency <input type="checkbox"/> Could not show it using currency <input type="checkbox"/>
About Q.9	Making 1000. How many to be added to a given number to complete 1000? An important milestone.					
9	Make 1000 game – I say a number, you say a number to make 1000 (840)	Could do it without counting <input type="checkbox"/> Could do it by counting <input type="checkbox"/> Could not do it <input type="checkbox"/>	Make 1000 game – I say a number, you say a number to make 1000	Could do it without counting <input type="checkbox"/> Could do it by counting <input type="checkbox"/> Could not do it <input type="checkbox"/>	Make 1000 game – I say a number, you say a number to make 1000	Could do it without counting <input type="checkbox"/> Could do it by counting <input type="checkbox"/> Could not do it <input type="checkbox"/>
About Q. 10	Tight and loose form of 3 and 4 digit numbers.					
10	Make number 200 in 3 possible forms using currency notes of 100, 10 and 1	Could do it without help <input type="checkbox"/> Could do it with help <input type="checkbox"/> Could not do it. <input type="checkbox"/>	Make number 200 in 3 possible forms using currency notes of 100, 10 and 1	Could do it without help <input type="checkbox"/> Could do it with help <input type="checkbox"/> Could not do it. <input type="checkbox"/>	Make number 1000 in 4 possible forms using currency notes of 1000, 100, 10 and 1	Could do it without help <input type="checkbox"/> Could do it with help <input type="checkbox"/> Could not do it. <input type="checkbox"/>

About Q. 11	Doing multiplication mentally when asked in a real life situation. – Concept of multiplication																					
11	There are 100 children in each school. There are 4 such schools. How many children in all?	Could answer without help <input type="checkbox"/> Could answer with help <input type="checkbox"/> Could not answer <input type="checkbox"/>	There are 200 children in each school. There are 3 schools. How many children in all?	Could answer without help <input type="checkbox"/> Could answer with help <input type="checkbox"/> Could not answer <input type="checkbox"/>	There are 150 children in each school. There are 4 schools. How many children in all?	Could answer without help <input type="checkbox"/> Could answer with help <input type="checkbox"/> Could not answer <input type="checkbox"/>																
About Q. 12	Doing division mentally when asked in a real life situation. – Concept of division																					
12	Divide 200 rupees equally among two persons. How much does each get ?	Could answer without help <input type="checkbox"/> Could answer with help <input type="checkbox"/> Could not answer <input type="checkbox"/>	Divide 200 rupees equally among four persons. How much does each get ?	Could answer without help <input type="checkbox"/> Could answer with help <input type="checkbox"/> Could not answer <input type="checkbox"/>	Divide 300 rupees equally among six persons. How much does each get ?	Could answer without help <input type="checkbox"/> Could answer with help <input type="checkbox"/> Could not answer <input type="checkbox"/>																
About Q. 13	<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <table style="border-collapse: collapse; margin-bottom: 5px;"> <tr><td style="border-right: 1px solid black; padding: 2px 5px;">63</td><td style="padding: 2px 5px;">3 x 2</td><td style="border-right: 1px solid black; padding: 2px 5px;">6</td><td style="padding: 2px 5px;">5 x 4</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px 5px;">20</td><td style="padding: 2px 5px;">7 x 2</td><td style="border-right: 1px solid black; padding: 2px 5px;">14</td><td style="padding: 2px 5px;">9 x 9</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px 5px;">81</td><td style="padding: 2px 5px;">8 x 7</td><td style="border-right: 1px solid black; padding: 2px 5px;">56</td><td style="padding: 2px 5px;">4 x 2</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px 5px;">8</td><td style="padding: 2px 5px;">5 x 9</td><td style="border-right: 1px solid black; padding: 2px 5px;">45</td><td style="padding: 2px 5px;">9 x 7</td></tr> </table> </div> <div style="flex: 2;">Being able to do 8 multiplication facts</div> </div>						63	3 x 2	6	5 x 4	20	7 x 2	14	9 x 9	81	8 x 7	56	4 x 2	8	5 x 9	45	9 x 7
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13	Play multiplication Dominoes	Could complete the loop <input type="checkbox"/>	Play multiplication Dominoes	Could complete the loop <input type="checkbox"/>	Play multiplication Dominoes	Could complete the loop <input type="checkbox"/>																

		Could not complete the loop <input type="checkbox"/>		Could not complete the loop <input type="checkbox"/>		Could not complete the loop <input type="checkbox"/>															
About Q. 14	<table border="1"> <tr> <td>5</td> <td>12 ÷ 3</td> <td>4</td> <td>18 ÷ 9</td> </tr> <tr> <td>2</td> <td>42 ÷ 6</td> <td>7</td> <td>45 ÷ 5</td> </tr> <tr> <td>9</td> <td>72 ÷ 9</td> <td>8</td> <td>36 ÷ 6</td> </tr> <tr> <td>6</td> <td>15 ÷ 5</td> <td>3</td> <td>40 ÷ 8</td> </tr> </table>	5	12 ÷ 3	4	18 ÷ 9	2	42 ÷ 6	7	45 ÷ 5	9	72 ÷ 9	8	36 ÷ 6	6	15 ÷ 5	3	40 ÷ 8	Being able to do 8 division facts			
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Special note at the time of baseline :

Special note at the time of endline :