

Coco - Age 7 going into 2nd grade

Part 1: Subtraction Running Record Recording Sheet Strategy Levels and Accuracy			
2 - 0 ✓	wo sc asc ca fcb cbh fcu kuh urf pth dk	S0	0 1 2 3 4
7 - 1 ✓	wo sc asc ca fcb cbh fcu kuh urf pth dk	S1	0 1 2 3 4
9 - 9 ✓	wo sc asc ca fcb cbh fcu kuh urf pth dk	SD	0 1 2 3 4
5 - 4 ✓	wo sc asc ca fcb cbh fcu kuh urf pth dk	Sw5	0 1 2 3 4
8 - 3 ✓	a wo sc asc ca fcb cbh fcu kuh urf pth dk ?	Sw10	0 1 2 3 4
10 - 2 ✓	wo sc asc ca fcb cbh fcu kuh urf pth dk	Sf10	0 1 2 3 4
12 - 11 ✓	wo sc asc ca fcb cbh fcu kuh urf pth dk	SD1	0 1 2 3 4
14 - 7 ✓	a wo sc asc ca fcb cbh fcu kuh urf pth dk ?	SHF	0 1 2 3 4
17 - 10 ✓ "negative"	a wo sc asc ca fcb cbh fcu kuh urf pth dk	S10	0 1 2 3 4
13 - 3 ✓	a wo sc asc ca fcb cbh fcu kuh urf pth dk	S1T	0 1 2 3 4
15 - 9 ✓	a wo sc asc ? ca fcb cbh fcu kuh urf pth dk	SFT	0 1 2 3 4
20 - 8 x 11	a wo sc asc ca fcb cbh fcu kuh urf pth dk	S20	0 1 2 3 4

Comments/Notes about gestures, behaviors, remarks:

Code Guide:

a - automatic
wo - wrong operation
sc - self-correction
asc - attempted self-correction
ca - counted all
fcb - finger counted back
cbh - counted back in head
fcu - finger counted up
kuh - counted up in head
urf - used related fact (addition)
pth - prolonged thinking time
dk - doesn't know answer

S0 - Subtracting 0
S1 - Subtracting 1
SD - Subtracting a number from itself
S5 - Subtraction within 5
Sw10 - Subtracting within 10
Sf10 - Subtracting from 10
SD1 - Subtracting difference of 1
SHF - Subtracting half facts
S10 - Subtracting 10 from a number
S1T - Subtracting ones from a teen number
SFT - Subtraction from teen numbers
S20 - Subtracting from 20

Strategy Levels

Level 0 - Cannot answer question
Level 1 - Skip Counting/Counting Back on fingers or drawing
Level 2 Counting in head/ Some strategies
Level 3- Using derived facts; related facts
Level 4- Automaticity

Part 2:

Subtraction Flexibility Assessment

Teacher: We are now going to administer Part II of the Running Record. In this part of the Running Record we are going to talk about what strategies you use when you are solving basic subtraction facts. I am going to tell you a problem and then ask you to tell me how you think about it. I am also going to ask you about some different types of facts. Take your time as you answer and tell me what you are thinking as you see and do the math. I am going to take notes so I can remember everything that happened during this Running Record.

<p>Minus Zero Facts</p> <p>3 - 0 4 - 0</p> <p>What happens when you take 0 from a number? <i>stays same</i></p> <p>S0</p>	<p>Minus 1</p> <p>2 - 1 11 - 1 ✓ <i>a</i></p> <p>What happens when you take away 1 from a number? <i>down to the by</i></p> <p>S1</p>	<p>Taking a number from itself</p> <p>8 - 8 ✓ <i>a</i> 7 - 7</p> <p>What happens when you take a number away from itself? <i>Zero</i></p> <p>SD</p>	<p>Subtracting within 10</p> <p>5 - 2 ✓ <i>a</i> 9 - 5 × 12 <i>pth ase</i> <i>draw pic - crossed out</i> How do you solve these types of facts? 7 - 4 ✓ <i>pth</i> <i>draw pic</i> Sw5/Sw10 <i>crossed out</i></p>
<p>Subtraction from 10</p> <p>10 - 4 ✓ <i>pth</i> 10 - 7 <i>imagined dots</i></p> <p>How would you solve these types of facts?</p> <p>S10</p>	<p>Subtracting with a difference of 1 or 2</p> <p>7 - 5 ✓ <i>pth</i> <i>urf</i> 9 - 8 ✓ <i>a</i></p> <p>What do you do to solve these types of problems?</p> <p>SD1/SD2</p>	<p>Half Facts</p> <p>16 - 8 14 - 7</p> <p>If your friend had trouble solving 16 - 8, what would you tell him?</p> <p>SHF</p>	<p>Subtracting 10's from Teen Numbers</p> <p>19 - 10 15 - 10</p> <p>What do you do when you take 10 from a teen number?</p> <p>S10T</p>
<p>Subtracting 1's from Teen Numbers</p> <p>14 - 4 17 - 7</p> <p>What do you think and do when you are solving these types of problems.</p> <p>SIT</p>	<p>Part 1: Subtracting from Teen Numbers</p> <p>Can you name 2 ways to think about subtracting 15 - 8?</p> <p>**General flexibility question</p> <p>SFT</p>	<p>Part 2: Subtracting 8 or 9 from a number</p> <p>If your friend was having trouble subtracting 17 - 9, what would you tell her to do?</p> <p>SFT</p>	<p>Subtracting a number from 20</p> <p>What do you do when you subtract a number from 20?</p> <p>20 - 14 20 - 7</p> <p>S20</p>
<p>Comments/Notes about gestures, behaviors, remarks:</p> <p><i>1/2 and 1/2 like subtraction</i> <i>maybe several were easy</i></p>		<p>Question Prompts:</p> <p>That's interesting/fascinating: tell me what you did. That's interesting/fascinating: tell me how you solved it. That's interesting/fascinating: tell me what you were thinking. How did you solve this problem? Can you tell me more about how you solve these types of problems? What do you mean when you say _____ (i.e. ten friends/neighbor numbers etc.)</p>	