

Name: _____

Teacher: _____

Date: _____

Multiplication Running Record Recording Sheet

Part 1	Codes (What do you notice?)	
0 x 4 a 5s pth	fca scf coh sch dk sc asc	M0—multiply by 0
1 x 2 a 5s pth	fca scf coh sch dk sc asc	M1—multiply by 1
10 x 7 a 5s pth	fca scf coh sch dk sc asc	M10 - multiply by 10
5 x 3 a 5s pth	fca scf coh sch dk sc asc	M5 - multiply by 5
2 x 6 a 5s pth	fca scf coh sch dk sc asc	M2 - multiply by 2
4 x 8 a 5s pth	fca scf coh sch dk sc asc	M4 - multiply by 4
8 x 6 a 5s pth	fca scf coh sch dk sc asc	M8 - multiply by 8
3 x 9 a 5s pth	fca scf coh sch dk sc asc	M3 - multiply by 3
6 x 7 a 5s pth	fca scf coh sch dk sc asc	M6 - multiply by 6
9 x 6 a 5s pth	fca scf coh sch dk sc asc	M9 - multiply by 9
7 x 8 a 5s pth	fca scf coh sch dk sc asc	M7 - multiply by 7
4 x 4 a 5s pth	fca scf coh sch dk sc asc	MS - multiply squares

Codes:

a— automatic

5s - 5 seconds

pth - prolonged thinking time

fca—counted all on fingers

scf—skip counted fingers

coh—counted on in head by 1's

sch - skip counted head

dk—didn't know

sc-self-corrected

asc- attempted to

self-correct

General Observations (to be filled out after interview)

Instructional Response:

Focus areas (circle all that apply): flexibility accuracy automaticity

Strategy to begin instruction: M0 M1 M10 M5 M2 M4 M8 M3 M6 M9 M7 MS

Strategy level for current strategy: 0 1 2 3 4M 4 _____

<p>Part 2</p> <p>Multiply by 0 0×4</p> <p>What happens when you multiply a number by zero?</p> <p>___ product is 0 ___ can't articulate</p> <p>0×8</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>M0 Level: 0 1 2 3 4M 4</p>	<p>Multiply by 1 1×2</p> <p>What happens when you multiply a number by 1?</p> <p>___ product other # ___ can't articulate</p> <p>3×1</p> <p>1×12</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>M1 Level: 0 1 2 3 4M 4</p>	<p>Multiply by 10 10×7</p> <p>What happens when you multiply a number by 10?</p> <p>___ understands place value ___ other ___ can't articulate</p> <p>8×10</p> <p>10×10</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>M10 Level: 0 1 2 3 4M 4</p>	<p>Multiply by 5 5×3</p> <p>What strategy do you use when you multiply by 5?</p> <p>___ count by 5's ___ uses benchmark ___ can't articulate</p> <p>5×7</p> <p>8×5</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>M5 Level: 0 1 2 3 4M 4</p>	<p>Multiply by 2 2×6</p> <p>How did you solve this one?</p> <p>___ add two of #</p> <p>2×7</p> <p>2×9</p> <p>2×8</p> <p>What do we call these facts? _____</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>M2 Level: 0 1 2 3 4M 4</p>
<p>Multiply by 4 4×7</p> <p>What strategy do you use when you multiply by 4?</p> <p>___ dbl dbl ___ other ___ can't articulate</p> <p>4×9</p> <p>4×6</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>M4 Level: 0 1 2 3 4M 4</p>	<p>Multiply by 8 8×6</p> <p>What strategy do you use when you multiply by 8?</p> <p>___ dbl dbl dbl ___ other ___ can't articulate</p> <p>8×3</p> <p>8×7</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>M8 Level: 0 1 2 3 4M 4</p>	<p>Multiply by 3 3×9</p> <p>What strategy do you use when you multiply by 3?</p> <p>___ x2 plus # ___ other ___ can't articulate</p> <p>3×8</p> <p>3×6</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>M3 Level: 0 1 2 3 4M 4</p>	<p>Multiply by 6 6×7</p> <p>What strategy do you use when you multiply by 6?</p> <p>___ dbl x3 ___ other ___ can't articulate</p> <p>6×5</p> <p>6×9</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>M6 Level: 0 1 2 3 4M 4</p>	<p>Multiply by 9 9×8</p> <p>What strategy do you use when you multiply by 9?</p> <p>___ x10 - # ___ other ___ can't articulate</p> <p>9×4</p> <p>9×7</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>M9 Level: 0 1 2 3 4M 4</p>
<p>Multiply by 7 7×8</p> <p>What strategy do you use when you multiply by 7?</p> <p>___ $x5 + x2$ ___ other ___ can't articulate</p> <p>7×5</p> <p>7×7</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>M7 Level: 0 1 2 3 4M 4</p>	<p>Multiply-Squares 4×4</p> <p>6×6</p> <p>9×9</p> <p>8×8</p> <p>What do we call these facts? _____</p> <p>Do they know this strategy?</p> <p>No/Emerging/Yes</p> <p>MS Level: 0 1 2 3 4M 4</p>	<p>Part 3</p> <p>Do you like math?</p> <p>What do you find easy?</p> <p>What do you find tricky?</p> <p>What do you do when you get stuck?</p>		<p>Codes:</p> <p>0 - doesn't know</p> <p>1 - counting strategies fingers or manipulatives</p> <p>2 - mental math/solve in head</p> <p>3 - derived facts</p> <p>4M - automatic recall memorized</p> <p>4 - automatic recall with understanding</p> <p>fca—counted all on fingers</p> <p>scf—skip counted fingers</p> <p>coh-counted on in head by 1's</p> <p>sch - skip counted head</p> <p>dk—didn't know</p>