

Name: Chloe Teacher: _____ Date: _____

Multiplication Running Record Recording Sheet

0 x 4 ✓	(a) 6s pth			M0—mult 0
1 x 2 ✓	(a) 6s pth			M1—mult 1
5 x 3 ✓	(a) 6s pth			M5 - mult 5
10 x 7 ✓	(a) 6s pth			M10 - mult by 10
2 x 6 ✓	(a) 6s pth			M2 - mult by 2
4 x 7	a 6s (pth)			M4 - mult by 4
4 x 8 x 34				
8 x 6	a 6s pth			M8 - mult by 8
3 x 9 ✓	a 6s (pth)	asked to skip but then did		M3 - mult by 3
6 x 7 pass	a 6s (pth)	5x7=35 +7=42		M6 - mult by 6
9 x 8	a 6s pth			M9 - mult by 9
9 x 6 ✓	(pth)	6x10=60-6=54		

Codes:

a— automatic
 6s - 6 seconds
 pth - prolonged thinking time

 sc-self-corrected
 asc- attempted self-corrected

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

Speed: 1 Accuracy: 3

3 - mostly all a's 3 - 0 or 1 incorrect
 2 - some 6s and pth 2 - 2 or 3 incorrect
 1 - many 6s and pth 1 - 4 or more incorrect

Flexibility:

Current level on strategy progression:

M0 M1 M5 M10 M2 (M4) M8 M3 M6 M9

<p>M0 0×4</p> <p>What happens when you multiply a number by zero?</p> <p>___ product is 0</p> <p>For example, 0×8</p> <p>Strategy? N/E/Y <input checked="" type="radio"/></p>	<p>M1 1×2</p> <p>What happens when you multiply a number by 1?</p> <p>___ other #</p> <p>1×5</p> <p>Strategy? N/E/Y <input checked="" type="radio"/></p>	<p>M5 5×3</p> <p>What strategy do you use when you multiply by 5?</p> <p>___ count by 5's</p> <p>$4 \times 5 \checkmark a$</p> <p>$9 \times 5 \checkmark 5s$</p> <p>$5 \times 7 \checkmark 5s$</p> <p>$8 \times 5 \checkmark a$</p> <p>Strategy? N/E/Y <input checked="" type="radio"/></p>	<p>M10 10×7</p> <p>What happens when you multiply a number by 10?</p> <p>___ knows pattern</p> <p>10×4</p> <p>$10 \times 8 \checkmark$</p> <p>$10 \times 10 \checkmark$</p> <p>Automatized? N/Y <input checked="" type="radio"/></p>	<p>M2 2×6</p> <p>How did you solve this one?</p> <p>\checkmark add two of #</p> <p>$2 \times 7 \checkmark a$</p> <p>$2 \times 9 \checkmark a$</p> <p>2×8</p> <p>What do we call these facts?</p> <p><u>double</u></p> <p>Strategy? N/Y <input checked="" type="radio"/></p>
<p>M4 4×7</p> <p>What strategy do you use when you multiply by 4?</p> <p>\checkmark dbl dbl</p> <p>$4 \times 2 \checkmark$</p> <p>$4 \times 9 \checkmark pth$</p> <p>$4 \times 6$ $9+9=18$ $+18$ <u>36</u></p> <p>Strategy? N/E/Y <input checked="" type="radio"/></p>	<p>M8 8×6</p> <p>What strategy do you use when you multiply by 8?</p> <p>___ dbl dbl dbl</p> <p>8×8</p> <p>8×5</p> <p>$8 \times 3 (8 \times 2) + 8$</p> <p>$8 \times 9 (8 \times 10) - 8$</p> <p>Strategy? N/E/Y <input checked="" type="radio"/></p>	<p>M3 3×9</p> <p>What strategy do you use when you multiply by 3?</p> <p>\checkmark x2 plus #</p> <p>3×8</p> <p>3×7</p> <p>$3 \times 6 \checkmark$</p> <p>Strategy? N/E/Y <input checked="" type="radio"/></p>	<p>M6 6×7</p> <p>What strategy do you use when you multiply by 6?</p> <p>\checkmark dbl x3</p> <p>$6 \times 9 \times 52 pth$</p> <p>6×6</p> <p>Strategy? N/E/Y <input checked="" type="radio"/></p>	<p>M9 9×8</p> <p>What strategy do you use when you multiply by 9?</p> <p>___ x10 - #</p> <p>9×7</p> <p>9×9</p> <p>9×4 dbl dbl</p> <p>$9 \times 2 = 18$ $+18$ <u>36</u></p> <p>Strategy? N/E/Y <input checked="" type="radio"/></p>

Do you like math? OK likes geometry and lattice mult

What do you do when you get stuck?