

Math Max's Multiplication Momentum

(Optional Summer Multiplication Practice)

Students **Entering 4th and 5th Grade** - Get Ready for **Math Max's Game Zone!**

Name _____ Grade _____ Teacher _____

Do you want to practice multiplication facts and earn an opportunity to kick off the school year with some fun? Here's your chance to unlock **Math Max's Game Zone** — a time for games, challenges, and fun with the one and only **Math Max!** To earn your time in the Game Zone this fall, all you have to do is **power up your multiplication skills over the summer.**

Here's how:

- ☒ **Pick ONE** of the multiplication activities below each time you practice.
- ☒ **Practice** for at least 10 minutes.
- ☒ **Track** your progress: write down the date and the activity you completed on the chart.

★ Practice at least **15 times during the summer**, and you'll score your exclusive pass into **Math Max's Game Zone!**

★ Practice at least **25 times during the summer**, to score your exclusive pass into **Math Max's Game Zone** AND earn a prize pack.

★ Practice at least **30 times during the summer**, to score your exclusive pass into **Math Max's Game Zone**, earn a prize pack, AND earn a **CHANCE** at a drawing for a **Dairy Queen gift card.**

Just chart your practice on the next page and return to your teacher by Friday, August 29th!

Practice ONE fact at a time! (Multiplication Strategies on back page)		
<p>CIRCLE UP</p> <p>Draw a set of circles for the fact you are practicing. Draw 1 dot in each circle for that fact x1. Draw another set with 2 dots. Continue through x10.</p> <p>Example:  (Save this paper to keep practicing!) $3 \times 4 = 12$</p>	<p>MARCH and MULTIPLY</p> <p>Write down the products (answers) to all of the problems for the fact you are practicing. These are called "multiples" of that fact. Example: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30</p> <p>Practice saying the multiples in rhythm. You could even march, clap, or jump rope.</p>	<p>ARRAYS AWAY</p> <p>Draw a set of arrays for the fact you are practicing. Start with your fact x1, then x2. Continue through x10.</p> <p>Example: 3×6</p> <p>***** ***** *****</p>
<p>FLASH CARD FRENZY</p> <p>EITHER print a set of fact cards from the back page OR make your own!. Mix up the cards and practice your facts randomly, out of order!</p> <p>Example: $\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$</p>	<p>ROLL and MULTIPLY</p> <p>Roll a die and multiply by the fact you are practicing. Say the fact equation aloud or write it down.</p> <p>Example:  $3 \times 2 = 6$</p> <p>LEVEL UP: Roll 2 dice and add the total dots, then multiply by your fact.</p>	<p>WHO HAS MORE?</p> <p>Play with 2 or more players. Either use fact cards or dice. Player 1 pulls the first fact card or rolls the dice and says the fact. Player 2 takes a turn. Player with the highest product (answer) gets a point.</p>
<p>DIGITAL PRACTICE</p> <p>Use the FREE website (no log in needed) https://www.timestables.com</p> <p>Choose the multiplication fact you have been practicing. Practice following the "5-step plan"</p>	<p>FACT CHECK</p> <p>Use the website https://www.timestables.com/speed-test/</p> <p>Choose the multiplication fact you have been practicing.</p>	<p>CHALLENGE ~ All Facts</p> <p>EITHER roll a die 4 times or write 4 digits. Using any operation, see if you can make 24.</p> <p>Example: 6 1 3 2</p> <p>$6 \times 2 = 12$ $3 - 1 = 2$ $12 \times 2 = 24$</p> <p>Is there another way?</p> <p>OR play Kakooma</p> <p>https://tangmath.com/kakooma</p>

Start Here!	
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LEVEL UP! Keep Practicing!	
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Multiplication Strategies

Multiply by 2 When you multiply by 2, you could skip count by two or think of adding a double. Example: $2 \times 8 = 16$ (2, 4, 6, 8, 10, 12, 14, 16)	Multiply by 10 When you multiply by 10, you could skip count by ten or think of that many ten sticks! <table border="1"> <tr> <td>10</td><td>20</td><td>30</td><td>40</td><td>50</td><td>60</td><td>70</td><td>80</td><td>90</td><td>100</td> </tr> </table> Example: $8 \times 10 = 80$ (10, 20, 30, 40, 50, 60, 70, 80)	10	20	30	40	50	60	70	80	90	100
10	20	30	40	50	60	70	80	90	100		
Multiply by 5 When you multiply by 5, you could skip count by five. <table border="1"> <tr> <td>5</td><td>10</td><td>15</td><td>20</td><td>25</td><td>30</td><td>35</td><td>40</td><td>45</td><td>50</td> </tr> </table> Example: $8 \times 5 = 40$ (5, 10, 15, 20, 25, 30, 35, 40)	5	10	15	20	25	30	35	40	45	50	Multiply by 1 When you multiply by 1, you only have one group of a number, so the product is the same as the other factor. $4 \times 1 = 4$ Multiply by 0 When you multiply by 0, you have zero groups of a number, so the product is 0. $0 \times 4 = 0$
5	10	15	20	25	30	35	40	45	50		
Multiply by 3 When you multiply by 3, think of 3 groups of a number. OR multiply by 2 and adding 1 more set. Example: $3 \times 4 = 12$ 	Multiply by 4 When you multiply by 4, think of 4 groups of a number. OR multiply by 2 and multiply by 2 again. Example: $4 \times 3 = 12$ 										
Multiply by 6 When you multiply by 6, think of 6 groups of a number. OR multiply by 5 and add 1 more set; OR multiply by 3, and double! Example: $6 \times 4 = 24$ 	Multiply by 9 When you multiply by 9, think of 9 groups of a number. OR multiply by 10 and subtract 1 set; OR multiply by 5; then by 4; & add. Example: $9 \times 4 = 36$ 										
Multiply by 8 When you multiply by 8, think of 8 groups of a number. OR multiply by 4, and double; OR multiply by 5; then by 3; & add. Example: $8 \times 4 = 32$ 	Multiply by 7 When you multiply by 7, think of 7 groups of a number. OR multiply by 5, and add 2 more sets; OR multiply by 6; then add 1 more set. Example: $7 \times 4 = 28$ 										

Printable **Multiplication Fact Cards** could be printed from this link or QR code:

<https://bit.ly/elemmathrec>



Multiplication Facts are taught in this sequence:
 $\times 2, \times 10, \times 5, \times 1, \times 0, \times 3, \times 4, \times 6, \times 9, \times 8, \times 7$
 *You don't have to spend time on $\times 1$ and $\times 0$.