

Math: In-Home Learning May 4th – May 8th

Overview of Week: *This week you will review multiplication using the area model and standard algorithm. Solve multiplication story problems and create mathematical art.*

Monday	Tuesday	Wednesday	Thursday	Friday
Multiplication Area Model	Multiplication by single-digit Standard Algorithm	Multiplication by two-digits Standard Algorithm	Multiplication Story Problems	Math Art Tessellations

Monday: Multiplication Area Model

Watch each video and complete practice page

NUMBEROCK video - [Area Model Song](#)

Khan Academy video – [Area Model](#)

$19 \times 3 = 57$ <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="margin-right: 10px;">3</div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">10</td> <td style="width: 20px;">9</td> <td></td> </tr> <tr> <td>30</td> <td>27</td> <td></td> </tr> </table> <div style="margin-left: 10px;"> $\begin{array}{r} 30 \\ + 27 \\ \hline 57 \end{array}$ </div> </div>	10	9		30	27		$17 \times 9 = \underline{\quad}$ <div style="display: flex; align-items: center; margin-top: 10px;"> <table border="1" style="border-collapse: collapse; width: 60px; height: 40px; margin-right: 10px;"> <tr><td style="width: 30px; height: 20px;"></td><td style="width: 30px; height: 20px;"></td></tr> </table> _____ </div>		
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<p>$27 \times 18 = 486$</p> <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="padding: 2px 5px;">20</td><td style="padding: 2px 5px;">7</td></tr> <tr><td style="padding: 2px 5px;">10</td><td style="padding: 2px 5px;">200</td><td style="padding: 2px 5px;">70</td></tr> <tr><td style="padding: 2px 5px;">8</td><td style="padding: 2px 5px;">160</td><td style="padding: 2px 5px;">56</td></tr> </table> <p style="margin-left: 150px;"> $\begin{array}{r} 200 \\ 70 \\ 160 \\ + 56 \\ \hline 486 \end{array}$ </p>	20	7	10	200	70	8	160	56	<p>$18 \times 17 = \underline{\hspace{2cm}}$</p> <table border="1" style="display: inline-table; border-collapse: collapse; width: 100px; height: 60px;"> <tr><td style="width: 50%; height: 30px;"></td><td style="width: 50%; height: 30px;"></td></tr> <tr><td style="width: 50%; height: 30px;"></td><td style="width: 50%; height: 30px;"></td></tr> </table> <p style="margin-left: 100px;">_____</p>				
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<p>$218 \times 4 = 872$</p> <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="padding: 2px 5px;">200</td><td style="padding: 2px 5px;">10</td><td style="padding: 2px 5px;">8</td></tr> <tr><td style="padding: 2px 5px;">4</td><td style="padding: 2px 5px;">800</td><td style="padding: 2px 5px;">40</td><td style="padding: 2px 5px;">32</td></tr> </table> <p style="margin-left: 150px;"> $\begin{array}{r} 800 \\ 40 \\ + 32 \\ \hline 872 \end{array}$ </p>	200	10	8	4	800	40	32	<p>$121 \times 8 = \underline{\hspace{2cm}}$</p> <table border="1" style="display: inline-table; border-collapse: collapse; width: 100px; height: 30px;"> <tr><td style="width: 33%;"></td><td style="width: 33%;"></td><td style="width: 33%;"></td></tr> </table> <p style="margin-left: 100px;">_____</p>			
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<p>$168 \times 6 = \underline{\hspace{2cm}}$</p> <table border="1" style="display: inline-table; border-collapse: collapse; width: 100px; height: 30px;"> <tr><td style="width: 33%;"></td><td style="width: 33%;"></td><td style="width: 33%;"></td></tr> </table> <p style="margin-left: 100px;">_____</p>				<p>$249 \times 5 = \underline{\hspace{2cm}}$</p> <table border="1" style="display: inline-table; border-collapse: collapse; width: 100px; height: 30px;"> <tr><td style="width: 33%;"></td><td style="width: 33%;"></td><td style="width: 33%;"></td></tr> </table> <p style="margin-left: 100px;">_____</p>							
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<http://www.topmultiplication.com>

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Tuesday: Multiplication by single-digit Standard Algorithm

Watch videos and complete practice page

Math Antics video – [Single-digit Standard Algorithm](#)

$$\begin{array}{r} 61 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times 2 \\ \hline \end{array}$$

Wednesday: Multiplication by two-digits Standard Algorithm

Watch video and complete practice page

Math Antics video – [Two-digit Standard Algorithm](#)

$$\begin{array}{r} 87 \\ \times 58 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ \times 64 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ \times 81 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ \times 90 \\ \hline \end{array}$$

$$\begin{array}{r} 911 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 290 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 294 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 252 \\ \times 44 \\ \hline \end{array}$$

$$\begin{array}{r} 998 \\ \times 28 \\ \hline \end{array}$$

$$\begin{array}{r} 855 \\ \times 62 \\ \hline \end{array}$$

$$\begin{array}{r} 415 \\ \times 50 \\ \hline \end{array}$$

$$\begin{array}{r} 877 \\ \times 21 \\ \hline \end{array}$$

Thursday: Multiplication Story ProblemsComplete practice page - using standard algorithm to solve**Word Problems**

- 1) Melanie, Alyssa, Sandy, and Jason each have 18 baseball cards.
How many baseball cards do they have in all ? _____

- 2) Sandy has 22 blue marbles. Nancy has 7 times more blue marbles than Sandy.
How many blue marbles does Nancy have ? _____

- 3) Joan has saved 32 quarters from washing cars.
How many cents does Joan have ? _____

- 4) Mary has 18 books. Sam has 7 times more books than
Mary. How many books does Sam have ? _____

- 5) There are 18 calories in a candy bar. How many
calories are there in 38 candy bars ? _____

- 6) There are 10 children in the classroom, each student will get 44 pencils.
How many pencils will the teacher have to give out ? _____

- 7) Tom earns \$12.50 an hour cleaning houses. If he works from 8:00am to 1:00pm,
how much money will he make ? _____

- 8) Sam bought 7 dozen eggs from the grocery store to bake some cakes.
How many eggs did Sam buy ? _____

- 9) There were a total of 3 soccer games a month. The season is played for
4 months. How many soccer games are in the seasons ? _____

- 10) Jason has 3 dozen golf balls.
How many golf balls does he have ? _____

Friday: Art – What will you create?

Watch videos and Create your own Tessellation

[What is a Tessellation?](#)

[Steps to create a Tessellation](#)

Tessellation examples – [One](#) and [Two](#)

