



Middleton Math

3rd Grade Math - Week X Checklist

Understanding _____

Effort _____

Welcome to Week X of 3rd Grade Math!

- Day 1 - Review
 - Flashcards - Record Time Here: _____
 - Complete Assignment X.1
 - Check and Correct Assignment X.1
- Day 2 - Multiplication Introduction
 - Flashcards - Record Time Here: _____
 - Watch the [Video Tutorial](#) for Assignment X.2
 - Complete Assignment X.2
 - Check and Correct Assignment X.2
- Day 3 - Repeated Addition
 - Flashcards - Record Time Here: _____
 - Watch the [Video Tutorial](#) for Assignment X.3
 - Complete Assignment X.3
 - Check and Correct Assignment X.3
- Day 4 - Area Model of Multiplication
 - Flashcards - Record Time Here: _____
 - Watch the [Video Tutorial](#) for Assignment X.4
 - Complete Assignment X.4
 - Check and Correct Assignment X.4
- Day 5
 - File Week X Assignments
 - Record Understanding and Effort for Week X
 - Attend Math Adventure



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3rd Grade Math - Assignment X.1

Name _____

Parent Initial _____

Instructions: Solve these problems to review the topics you've already learned:

- ① Tell the Time ___ : ___ ② Tell the Time ___ : ___ ③ Tell the Time ___ : ___



④ Add:

$$\begin{array}{r} 784 \\ + 56 \\ \hline \end{array}$$

⑤ Add:

$$\begin{array}{r} 469 \\ + 528 \\ \hline \end{array}$$

⑥ Subtract:

$$\begin{array}{r} 321 \\ - 57 \\ \hline \end{array}$$

⑦ Subtract:

$$\begin{array}{r} 847 \\ - 198 \\ \hline \end{array}$$

⑧ Draw a rhombus that is not a square.

⑨ Is every rectangle also a parallelogram?

⑩ Mr. Tumnus leaves his house at 6:07 pm and goes on a walk in the forest for 1 hour and 35 minutes. What time does he get home? _____ :



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3rd Grade Math - Assignment X.2

Name _____

Parent Initial _____

- ① $8 \times 2 =$ 8 groups with 2 things in each group = 16 things total.
- ② $4 \times 7 =$ _____ groups with _____ things in each group = _____ things total.
- ③ $5 \times 3 =$ _____ groups with _____ things in each group = _____ things total.
- ④ Use your base-10 blocks to fill out the multiplication table:

Number of Groups

	1	2	3	4	5	6	7	8	9	10
1										
2								16		
3										
4										
5										
6										
7										
8										
9										
10										

- ⑤ What patterns do you notice?



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3rd Grade Math - Assignment X.3

Name _____

Parent Initial _____

Write each of the following multiplication facts as repeated addition:

① $4 \times 2 =$ _____ $=$ _____ ④ $3 \times 8 =$ _____ $=$ _____

② $7 \times 1 =$ _____ $=$ _____ ⑤ $2 \times 9 =$ _____ $=$ _____

③ $5 \times 6 =$ _____ $=$ _____ ⑥ $4 \times 10 =$ _____ $=$ _____

⑦ Draw a picture of 2×3 .

⑧ Draw a picture of 3×2 .

⑨ Why do you think 2×3 and 3×2 both have the same answer?

⑩ If we switch the order of multiplication will we always get the same answer?



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3rd Grade Math - Assignment X.4

Name _____

Parent Initial _____

Instructions: Draw a tiled rectangle with the following dimensions and find out how many tiles you need to tile the whole rectangle with square tiles.

- ① We need _____ square tiles to tile a 2 by 7 rectangle.
- ② We need _____ square tiles to tile a 5 by 4 rectangle.
- ③ We need _____ square tiles to tile a 3 by 6 rectangle.
- ④ We need _____ square tiles to tile a 1 by 8 rectangle.
- ⑤ We need _____ square tiles to tile a 4 by 3 rectangle.
- ⑥ We need _____ square tiles to tile a 6 by 4 rectangle.
- ⑦ We need _____ square tiles to tile a 8 by 5 rectangle.
- ⑧ We need _____ square tiles to tile a 3 by 9 rectangle.



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3rd Grade Math - Assignment X.1

Name Answer Key

Parent Initial _____

Instructions: Solve these problems to review the topics you've already learned:

- ① Tell the Time 12:08 ② Tell the Time 1:18 ③ Tell the Time 4:07



④ Add:

$$\begin{array}{r} 784 \\ + 56 \\ \hline 840 \end{array}$$

⑤ Add:

$$\begin{array}{r} 469 \\ + 528 \\ \hline 997 \end{array}$$

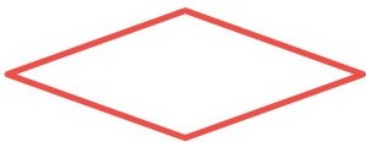
⑥ Subtract:

$$\begin{array}{r} 321 \\ - 57 \\ \hline 264 \end{array}$$

⑦ Subtract:

$$\begin{array}{r} 847 \\ - 198 \\ \hline 649 \end{array}$$

⑧ Draw a rhombus that is not a square.



⑨ Is every rectangle also a parallelogram?

Yes, because every rectangle has two sets of parallel sides.

⑩ Mr. Tumnus leaves his house at 6:07 pm and goes on a walk in the forest for 1 hour and 35 minutes. What time does he get home? 7:42 pm



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3rd Grade Math - Assignment X.2

Name Answer Key

Parent Initial _____

- ① $8 \times 2 =$ 8 groups with 2 things in each group = 16 things total.
- ② $4 \times 7 =$ 4 groups with 7 things in each group = 28 things total.
- ③ $5 \times 3 =$ 5 groups with 3 things in each group = 15 things total.
- ④ Use your base-10 blocks to fill out the multiplication table:

Number of Groups

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

- ⑤ What patterns do you notice?

There is not just one right answer for this question.

Explore as many patterns as you can find.



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3rd Grade Math - Assignment X.3

Name Answer Key

Parent Initial _____

Write each of the following multiplication facts as repeated addition:

① $4 \times 2 = \underline{2+2+2+2} = \underline{8}$

④ $3 \times 8 = \underline{8+8+8} = \underline{24}$

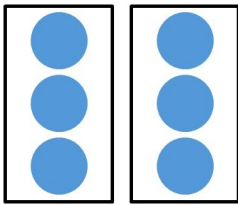
② $7 \times 1 = \underline{1+1+1+1+1+1+1} = \underline{7}$

⑤ $2 \times 9 = \underline{9+9} = \underline{18}$

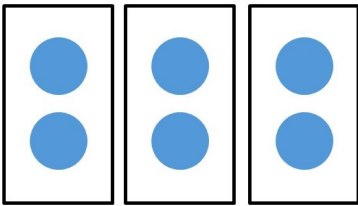
③ $5 \times 6 = \underline{6+6+6+6+6} = \underline{30}$

⑥ $4 \times 10 = \underline{10+10+10+10} = \underline{40}$

⑦ Draw a picture of 2×3 .



⑧ Draw a picture of 3×2 .



⑨ Why do you think 2×3 and 3×2 both have the same answer?

If you took one circle out of each of the 2 groups in the 2×3 problem and made a group with it and repeated that until the 2 groups were empty, you would have 3 groups of 2 which is 3×2 .

⑩ If we switch the order of multiplication will we always get the same answer?

Yes, if you switch the order of any multiplication problem you will still get the same answer. This is called the Commutative Property of Multiplication.



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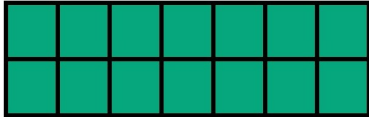
3rd Grade Math - Assignment X.4

Name Answer Key

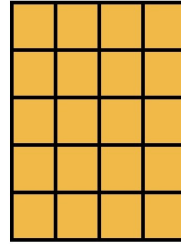
Parent Initial _____

Instructions: Draw a tiled rectangle with the following dimensions and find out how many tiles you need to tile the whole rectangle with square tiles.

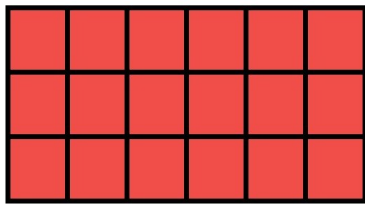
- ① We need 14 square tiles to tile a 2 by 7 rectangle.



- ② We need 20 square tiles to tile a 5 by 4 rectangle.



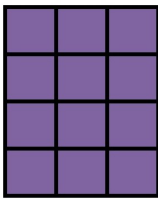
- ③ We need 18 square tiles to tile a 3 by 6 rectangle.



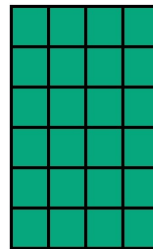
- ④ We need 8 square tiles to tile a 1 by 8 rectangle.



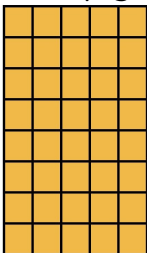
- ⑤ We need 12 square tiles to tile a 4 by 3 rectangle.



- ⑥ We need 24 square tiles to tile a 6 by 4 rectangle.



- ⑦ We need 40 square tiles to tile a 8 by 5 rectangle.



- ⑧ We need 27 square tiles to tile a 3 by 9 rectangle.

