

Grade 3 Math @ Home

May, 4th – 8th

Each week's lesson will be divided into 3 parts. – Learning topic – Learning Topic Game – Sumdog skills.

It is designed to be spending a minimum of 30 minutes per day on math practice.

I recommend that you spend your first 30 minutes of the week on the learning topic with your child and introducing the game. The remainder of your child's time can be spent practicing the new topic and continuing to practice their mental math.

1. **Learning Topic: Review of Multiplication and Division. (Big Idea 8)**
2. This week we will practicing what we learned over the past few weeks. I have copied some review questions from our textbook to practice with. I also encourage you to continue playing math games that practice your multiplication and division skills. Playing on Sumdog is also a great way to continue practicing these skills.
3. If you would like to review any of the previous lessons, you can follow this YouTube Channel link:
<https://www.youtube.com/channel/UC2nFvG3cu9sdg6tQ3woCy5g/>

For questions, I have taken a picture of their textbook. (Next page)

4. **Learning Topic Game: Multiplication Tic-Tac-Toe**

There is a video on my YouTube channel titled "Multiplication Tic Tac Toe" that will demonstrate the rules to the game.

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Unit 8

Show What You Know

- Multiply.
 - 3×2
 - 4×1
 - 1×3
 - 5×5
 - 4×5
 - 2×4
 - 2×1
 - 5×1
- Draw a picture for each answer.
 - Find 2 ways to make equal teams from 8 children.
 - Find 2 ways to make equal teams from 10 children.
- Design an Inukshuk with Pattern Blocks.
Suppose you want to make 3 Inukshuks.
How many of each type of block do you need?
Write a repeated addition and a multiplication sentence for each answer.
- Draw arrays for the following multiplication sentences:
 - $3 \times 1 = 3$
 - $4 \times 1 = 4$
 - $5 \times 1 = 5$
 - $3 \times 2 = 6$
 - $4 \times 2 = 8$
 - $5 \times 2 = 10$
 - $3 \times 3 = 9$
 - $4 \times 3 = 12$
 - $5 \times 3 = 15$What patterns do you notice? Why are they happening?
Write the next 2 multiplication sentences in each set.
- Nadine found that $2 \times 5 = 10$ and $5 \times 2 = 10$.
She wonders why the answers are the same.
Use pictures, numbers, and words to show why.
- Write a list of 3 things that come in equal groups of 5 or less.
Write a division problem for each. Solve each problem.
- Use counters. Find the number of counters in each group.
 - $9 \div 3$
 - $16 \div 4$
 - $12 \div 3$
 - $20 \div 4$
 - $6 \div 2$
 - $8 \div 4$

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8. How could these cards be shared equally among 4 children? Explain using pictures and a number sentence.



9. Tao has 20 tokens to play either *Basketball* or *Skee Ball*. Use repeated subtraction and division to show how many times Tao could play each game.



10. Write multiplication sentences that can help you solve the division problems.

a) $12 \div 3 = \square$ b) $16 \div 4 = \square$

Draw an array to show how the sentences are related.

11. Write related facts for each set of numbers.

a) 2, 4, 8 b) 3, 5, 15
c) 4, 3, 12 d) 5, 5, 25

12. Write division sentences that are related to the multiplication sentences.

a) $3 \times 3 = 9$ b) $5 \times 4 = 20$

UNIT

8

Learning C

- model multiplication
- division up to 5×5
- find strategies to m
- and divide up to $5 \times$
- pose and solve stor
- problems involving
- multiplication and d