Grade 3 Math @ Home

Each week's lesson will be divided into 3 parts. – Learning topic – Learning Topic Game – Sumdog skills.
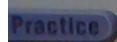It is designed to be spending a minimum of 30 minutes per day on math practice.
I recommend that you spend your first 30 minutes of the week on the learning topic with your child and introducing the game. The remainder of your child's time can be spent practicing the new topic and continuing to practice their mental math.

1. **Learning Topic: Relating Multiplication and Division using arrays. (Big Idea 8)**
2. This week we will be building off what we learned last week. This week's video is also on my YouTube channel in the grade 3 playlist titled **Relating Multiplication and Division using arrays**
3. My 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: Go Fish Division (Same as last week)**
   - Materials: Deck of cards without J, Q, K
   - Same rules as Go fish, each player gets 5 cards. Instead of a pair, you are looking for a number that can divide equally by another number.
   - Example you have a 5, A, 4, 8, 7 in your hand.
   - You lay down the 8 and 4 as a pair and say "8 divided by 4 is 2."
   - You can also lay down a 7 and Ace and Say "7 divided by 1 is 7."
   - The player with the most pairs wins.

5. **Continue to practice skills on Sumdog.** Division questions will be added to their skills next week.

Practice

Write a multiplication sentence for each picture.
Write a division sentence for each picture.

a)

b)

c)

2. Use counters to make an array for each number.
For each array, write 2 multiplication sentences
and 2 division sentences.

a) 12   b) 8   c) 6

3. Divide. How can you use multiplication to help you?

a) $9 \div 3$ b) $15 \div 3$ c) $20 \div 4$ d) $4 \div 4$

e) $10 \div 5$ f) $25 \div 5$ g) $6 \div 3$ h) $5 \div 1$

For questions 4 and 5, show your work using pictures,
words, or numbers.

4. Lydia is putting her collection of hockey cards
into an album.
Each page can hold 12 cards.
Each page has 4 rows of pockets.
How many cards can go in each row?

5. How can you use an array to multiply?
How can you use an array to divide?
Explain using words, pictures, and
number sentences.

Reflect

How can multiplication help you understand division?