



Fifth Grade Math Review, Master, and Extend

Dear Parents,

Summer presents a great opportunity to continue learning from home. Students can review standards learned in Fifth Grade, ensure mastery of key standards, and preview standards for Sixth Grade. The Fifth Grade focus was to:

- Compute with fractions and decimals
- Understand volume of 3-D figures
- Apply understanding of the coordinate plane

Concepts students may preview for 6th Grade

- Interpret and compute quotients of fractions using the traditional algorithm
 $2\frac{1}{2} \div \frac{1}{4} = \underline{\quad}$
- Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation

Vocabulary

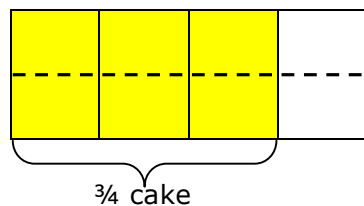
Quotient: answer to a division problem

Fluently: accurately and efficiently

Reciprocal: two numbers whose product is 1

Example 1

Six friends share $\frac{3}{4}$ of a cake. How much of the cake does each friend get?



$$6 \div \frac{3}{4} \text{ cake} = \frac{1}{8} \text{ piece of cake}$$

Solution: Each friend gets $\frac{1}{8}$ piece of the cake.

Example 2

Henry plans to purchase 39 games that cost \$6.70 each. Henry determined that he would need \$80.40. Review Henry's calculations to determine what error he made.

$$\begin{array}{r}
 2 \\
 6 \\
 6 .7 \\
 x 3 9 \\
 \hline
 6 0 3 \\
 + 2 0 1 \\
 \hline
 8 0 .4
 \end{array}$$

- A. basic fact mistake
- B. error in regrouping
- C. error in addition
- D. place value error

Example 3

Sophia's dad paid \$43.25 for 12.5 gallons of gas. What is the cost of one gallon of gas?

Home Activities

- When grocery shopping, have your child figure out the cost for multiple items.
- Have your child figure out the mileage from place to place as you drive.
- When at the gas station, have your child figure out how much your bill will be based on the number of gallons of gas.
- Children may measure a length of something at home and then divide in half and thirds.
- Give children scenarios to discover: you make this amount of money and work so many hours, how much money do you make per hour?; a horse eats about 5.75 lbs. of grain twice a day, how much grain do they eat in 30 days?

Internet Resources

Textbook Online: connected.mcgraw-hill.com

Textbook Publisher	Print and/or consumable	Online Access
My Math McGraw-Hill 2013	Consumable Workbook	http://connected.mcgraw-hill.com/connected/login.do Student User ID: ccsd(student ID) Password: cobbmath1

Learning Links to build background knowledge and to preview 6th Grade:

Skill & Concept	Website	Link
Early Math	 <p>Getting started is simple: Click Start Mission, Create a New Account, sign up using either gmail, facebook or email address. Enter your name and birthdate, follow the link that is sent to your account, and finish by signing up with a username and password.</p>	https://www.khanacademy.org/math/early-math
Computing quotients using the fractions division rule		https://learnzillion.com/lesson_plans/7615-computing-quotients-using-the-fractions-division-rule
Perform operations with decimals using the standard algorithm (6.NS.B.3)		https://learnzillion.com/resources/72552-perform-operations-with-decimals-using-the-standard-algorithm-6-ns-b-3

**5th Grade
Online Math
Games**



<http://www.adaptedmind.com/gradelist.php?grade=5>

