

# Grade 5 Mid-Year Assessment Study Guide

Your child will take the Grade 5 Mid-Year Assessment during class on February 11<sup>th</sup> 2016. Should school be closed due to inclement weather the assessment will be given on the next school day. The entire Mid-Year Assessment will only count as one **quiz** grade and is **not a factor in math placement for next year**. The purpose of this assessment is to give formative information on each student's progress, provide students the opportunity to review concepts since the beginning of the year, and to provide children with the experience of a cumulative assessment.

This study guide is not intended to be a comprehensive packet of all problems that students have done since the beginning of the year. However this guide provides problems from each topic in a manner they may encounter questions on the assessment. It would be helpful for students to use this as a review.

Answers to this study guide, as well as the guide itself, will be posted on the LMS Math Department web site. The guide will be posted immediately and the answers will be posted in several days.

## *How can I help my child?*

- Begin reviewing the notes used to study for the four previous Topic/Unit Tests óthese notes and practice are similar to the style and format your child will see on the Mid-Year Assessment. If there were any topics that your child had difficulty, this would be an excellent place to start.
- Encourage your child to do problems from the Study Guide. This resource has been developed so that students may go to a single source for practice problems. It is best for the student (and the parent) if students do a few problems each day.
- Problems from the Topic Test at the end of each Topic in the enVision textbook are another resource. Again, remember that this assessment ***has no bearing on your child's placement*** but gives us formative information as well as give your child the experience of review and taking a cumulative assessment.
- Encourage your child to ask specific questions. Your child's teacher is an excellent resource. Come to ***the in-class review session (Wednesday, February 10<sup>th</sup>)*** with questions they don't understand or need more practice with.
- ***Encourage your child to relax.*** This assessment is to inform your child's teacher and you of your child's progress, as well as to provide them the experience of a cumulative assessment.

The general topics on the Mid-Year Assessment are:

***Place Value & Adding/Subtracting Decimals***  
**TOPICS 1 & 2**

***Division with Whole Numbers***  
**TOPICS 4 & 5**

***Multiplying Whole Numbers***  
**TOPIC 3**

***Multiplying & Dividing Decimals***  
**TOPICS 6 & 7**

Pearson SuccessNet website. [www.pearsonsuccessnet.com](http://www.pearsonsuccessnet.com)

The user name is: **"LMS" followed by your child's 6-digit ID**    **Ex. LMS123456**  
The password is: **montgomery5**

Wishing your child the best success,  
*The Fifth Grade Math Team*

## TOPIC 1 Place Value

I. Write the number in Word Form:

1) 7,123 \_\_\_\_\_

2) 18,345 \_\_\_\_\_

II. Write the number in Standard Form:

1)  $8,000,000 + 300 + 9$  \_\_\_\_\_

2)  $60,000,000 + 10,000 + 20 + 3$  \_\_\_\_\_

III. Write the number in Expanded Form:

1) 85,000,011,000 \_\_\_\_\_

2) 1,000,102,200 \_\_\_\_\_

IV. Write the decimal as a fraction or a mixed number:

1) 3.2 \_\_\_\_\_

2) 0.7 \_\_\_\_\_

V. Write the fraction or mixed number as a decimal:

1)  $2 \frac{2}{5}$  \_\_\_\_\_

2)  $\frac{389}{500}$  \_\_\_\_\_

Word Problem:

Walter has \$200. Sally has 10 times as much money as Walter. How much money does Sally have?

**TOPIC 2 Adding & Subtracting Decimals**

- 1) Add:  $27.80 + 3.004 =$  \_\_\_\_\_
- 2) Subtract:  $43.95 - 7.506 =$  \_\_\_\_\_
- 3) Add:  $17.49 + 21 =$  \_\_\_\_\_
- 4) Subtract:  $17.89 - 9.747 =$  \_\_\_\_\_
- 5) Estimate:  $19.9 + 17.03 =$  \_\_\_\_\_

Word Problem:

Kerry bought a loaf of bread for \$3.49, a jar of preserves for \$2.29 and a jar of peanut butter for \$3.89. Round to nearest dollar and determine about how much Kerry spent. Write an equation to show your work.

**Topic 3: Multiplying Whole Numbers**

1) Use patterns and properties to solve mentally.

a.)  $70 \times 20 =$  \_\_\_\_\_

b.)  $7,000 \times 80 =$  \_\_\_\_\_

c.)  $200 \times 50 =$  \_\_\_\_\_

d.)  $7,000 \times 6 =$  \_\_\_\_\_

- 2) Each of the 35 members of the baseball team is required to participate in the candy bar fundraiser. The coach estimates that each member can sell 28 candy bars. Estimate how many candy bars they will sell. (Show your work!)

Write the complete equation you used to estimate:

\_\_\_\_\_

- 3) Multiply:

$$455 \times 4 = \underline{\hspace{2cm}}$$

- 4) Multiply

$$86 \times 7 = \underline{\hspace{2cm}}$$

- 5) Multiply

$$25 \times 46 = \underline{\hspace{2cm}}$$

- 6) Multiply

$$236 \times 71 = \underline{\hspace{2cm}}$$

7) Suppose a local charity collected 216 cans of food every day for 18 days. How many cans of food did the charity collect in all?

\_\_\_\_\_ (units)

8) Write  $5^3$  in expanded form

expanded form: \_\_\_\_\_

9) Write the value of  $3^4$

Value : \_\_\_\_\_

10) Write  $7 \times 7 \times 7 \times 7 \times 7$  in exponential notation

Exponential Notation: \_\_\_\_\_

**Topic 4-5: Dividing by 1 and 2-Digit Divisors**

**Use mental math to find the quotient.**

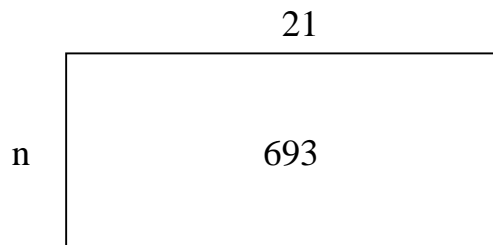
1)  $2,800 \div 70 = \underline{\hspace{2cm}}$

**Write the name of the correct place.**

2) If 4,932 is divided by 9, where should the first digit of the quotient be placed?

\_\_\_\_\_

**Find the missing number.**



3)  $n = \underline{\hspace{2cm}}$

**Divide. Show all steps. Write the remainder as a fraction.**

4)  $832 \div 6 = \underline{\hspace{2cm}}$

5)  $848 \div 8 = \underline{\hspace{2cm}}$

**Write a complete estimated equation.**

- 6) Mary is putting tiles on her kitchen floor. If she has 1,663 tiles to place in 19 rows, about how many tiles will she need to place in each row?
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**Solve. Show all steps.**

- 7) There are 16 ounces in a pound. If you have 448 pounds of chocolate, how many ounces of chocolate would you have?

\_\_\_\_\_ (label)

**For questions 8 through 10, divide. Show all steps. Write the remainder as a fraction.**

8)  $128 \div 16 =$  \_\_\_\_\_

9)  $234 \div 55 =$  \_\_\_\_\_

10)  $\$4,418 \div 47 =$  \_\_\_\_\_

## **Topic 6 Multiplying Decimals**

1.  $100 \times 6.78 =$

2. A bakery uses 4.25 cups of sugar for each batch of cookies. On Monday, the bakery made 23 batches of cookies. How many cups of sugar did the bakery use on Monday?

3.  $3.7 \times 0.98 =$

4. Irma rides her bike 103.5 miles each month. Write a complete estimated equation to find about how far she rides in 8 months.

5. What is the product of 85.1 and 0.7?

## **Topic 7 Dividing Decimals**

1. What is  $1,260.3 \div 1,000$ ?

2. What is  $2,466 \div 0.9$ ?

3. If  $28 \div 5 = 5.6$ , what is  $0.28 \div 5$ ?

4. Martin bought a package of 18 notepads for \$8.64, including tax. What is the price of each notepad?

5. Write a complete estimated equation for  $391.95 \div 4.5 =$