5th Grade American Math

Hello Scholars and Parents. We are finishing Chapter 1: *Place Value, Multiplication, and Expressions.* You will learn how to read, write, and represent numbers through the billions, solve problems using properties of operations, and use exponents. We are beginning Chapter 2:Divide Whole Numbers

Homework must be completed the day it is assigned and will be reviewed by the teacher the following day during class. Failure to complete homework when it is assigned will result in a lower grade.

Completed homework packets must be upload to Archie every Monday morning during class with the guidance of your teacher.

Monday: Lesson 1.12

Tuesday: Review Test Ch 1

Wednesday: No Homework

Thursday: Lesson 2.1-2.2

Friday: Lesson 2.5-2.6

Grouping Symbols

COMMON CORE STANDARD MACC.5.OA.1.1
Write and interpret numerical expressions.

Evaluate the numerical expression.

1. $5 \times [(11 - 3) - (13 - 9)]$

$5 \times [8 - (13 - 9)]$
$5 \times [8 - 4]$
5×4

_____ **20**

2. $30 - [(9 \times 2) - (3 \times 4)]$

3. $36 \div [(14 - 5) - (10 - 7)]$

4. $7 \times [(9 + 8) - (12 - 7)]$

5. $[(25 - 11) + (15 - 9)] \div 5$

6. $[(8 \times 9) - (6 \times 7)] - 15$

7. $8 \times \{[(7 + 4) \times 2] - [(11 - 7) \times 4]\}$

8. $\{[(8 - 3) \times 2] + [(5 \times 6) - 5]\} \div 5$

Problem Solving REAL WORLD

Use the information at the right for 9 and 10.

9. Write an expression to represent the total number of muffins and cupcakes Joan sells in 5 days.

Joan has a cafe. Each day, she bakes 24 muffins. She gives away 3 and sells the rest. Each day, she also bakes 36 cupcakes. She gives away 4 and sells the rest.

_____

10. Evaluate the expression to find the total number of muffins and cupcakes Joan sells in 5 days.

_____

Chapter 1 Extra Practice

Lessons 1.1 - 1.2

Complete the sentence.

1. 300 is 10 times as much as _____ .

2. 400 is $\frac{1}{10}$ of _____ .

Write the value of the underlined digit.

3. 4$\underline{5}$,130

4. 8,$\underline{1}$23,476

5. 153,$\underline{4}$71

6. 6,5$\underline{8}$3,450

_____   _____   _____   _____

Lesson 1.3

Complete the equation, and tell which property you used.

1. $(18 \times 2) \times 5 = 18 \times (2 \times$ _____ $)$

2. $64 + 58 =$ _____ $+ 64$

_____   _____

_____   _____

Lessons 1.4 - 1.5

Find the value.

1. 10^2

2. 10^5

3. 6×10^3

4. 8×10^7

_____   _____   _____   _____

5. $(6 \times 7) \times 10^3$

6. $(5 \times 4) \times 10^2$

7. $(3 \times 9) \times 10^6$

8. $(5 \times 8) \times 10^0$

_____   _____   _____   _____

Lessons 1.6 - 1.7

Find the product.

$\begin{array}{r} 429 \\ \times\ \ \ 5 \\ \hline \end{array}$

$\begin{array}{r} 1,785 \\ \times\ \ \ \ 8 \\ \hline \end{array}$

$\begin{array}{r} 81 \\ \times\ 22 \\ \hline \end{array}$

7. 34×93

8. 678×87

_____   _____

Lessons 1.8 - 1.9

Solve.

1. Morton and three of his friends earned a total of $168 walking dogs. They want to share the money equally. How much will each person get?

_____

Lesson 1.10

Write an expression to match the words.

1. Marilyn has 8 pears. She eats 2 pears.

_____

2. Lee spends $9 on 3 comic books. Each comic book costs the same amount.

_____

3. Al bought 24 stickers. He gave away 11 stickers. Then he bought 8 more stickers.

_____

4. Nicky has 4 boxes of markers. Each box contains 8 markers.

_____

Lessons 1.11 - 1.12

Evaluate the numerical expression.

3. $5 \div 5 \times 7 + 1$

_____

4. $8 + 56 - 8 \times 4$

_____

5. $12 - (3 + 4)$

_____

6. $[18 \div (2 \times 3)] \times 4$

_____

7. $24 - \{[16 - (8 - 1)] \times 2\}$

_____

Name _____

Place the First Digit

Divide.

1. $4\overline{)388}$

2. $4\overline{)457}$

3. $8\overline{)712}$

4. $9\overline{)204}$

$$
\begin{array}{r}
97 \\
4\overline{)\ 388} \\
-36 \\
\hline
28 \\
-28 \\
\hline
0
\end{array}
$$

97

5. $2,117 \div 3$

Problem Solving REAL WORLD

9. The school theater department made $2,142 on ticket sales for the three nights of their play. The department sold the same number of tickets each night and each ticket cost $7. How many tickets did the theater department sell each night?

10. Andreus made $625 mowing yards. He worked for 5 consecutive days and earned the same amount of money each day. How much money did Andreus earn per day?

Name _____

Divide by 1-Digit Divisors

Divide.

1. $4\overline{)724}$

2. $5\overline{)312}$

3. $278 \div 2$

4. $336 \div 7$

$$
\begin{array}{r}
181 \\
4\overline{)724} \\
-4 \\
\hline
32 \\
-32 \\
\hline
04 \\
-4 \\
\hline
0
\end{array}
$$

181 _____ _____ _____ _____

Find the value of n in each equation. Write what n represents in the related division problem.

5. $n = 3 \times 45$

6. $643 = 4 \times 160 + n$

7. $n = 6 \times 35 + 4$

_____ _____ _____

Problem Solving REAL WORLD

8. Randy has 128 ounces of dog food. He feeds his dog 8 ounces of food each day. How many days will the dog food last?

9. Angelina bought a 64-ounce can of lemonade mix. She uses 4 ounces of mix for each pitcher of lemonade. How many pitchers of lemonade can Angelina make from the can of mix?

_____ _____

Estimate with 2-Digit Divisors

Use compatible numbers to find two estimates.

1. $18\overline{)1,322}$

$1,200 \div 20$
$= 60$
$1,400 \div 20$
$= 70$

2. $17\overline{)1,569}$

3. $27\overline{)735}$

5. $336 \div 12$

6. $1,418 \div 22$

Problem Solving REAL WORLD

13. A cubic yard of topsoil weighs 4,128 pounds. About how many 50-pound bags of topsoil can you fill with one cubic yard of topsoil?

14. An electronics store places an order for 2,665 USB flash drives. One shipping box holds 36 flash drives. About how many boxes will it take to hold all the flash drives?

Name _____

Divide by 2-Digit Divisors

Divide. Check your answer.

Lesson 2.6

COMMON CORE STANDARD MACC.5.NBT.2.6

Perform operations with multi-digit whole numbers and with decimals to hundredths.

1. $385 \div 12$ 2. $837 \div 36$ 3. $1,650 \div 55$ 4. $5,634 \div 18$

```
      32 r1
12) 385
    −36
     25
    −24
      1
```

Problem Solving REAL WORLD

13. The factory workers make 756 machine parts in 36 hours. Suppose the workers make the same number of machine parts each hour. How many machine parts do they make each hour?

14. One bag holds 12 bolts. Several bags filled with bolts are packed into a box and shipped to the factory. The box contains a total of 2,760 bolts. How many bags of bolts are in the box?

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