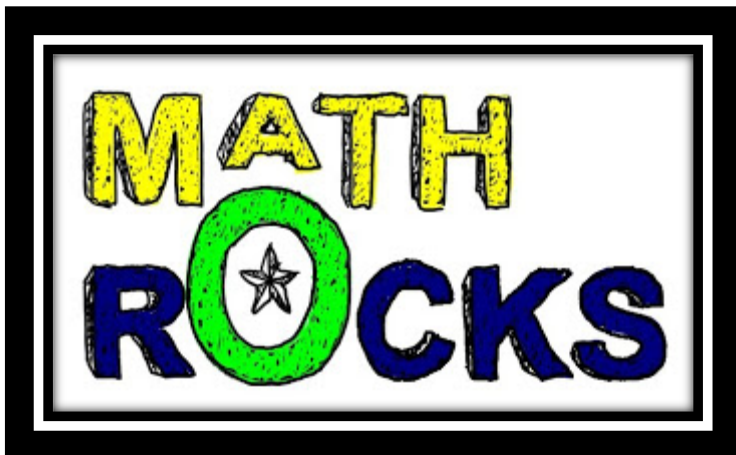
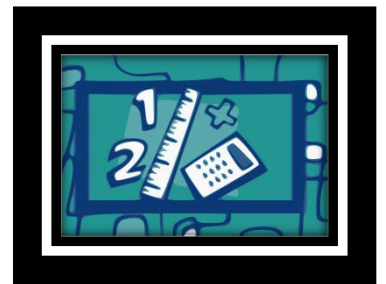
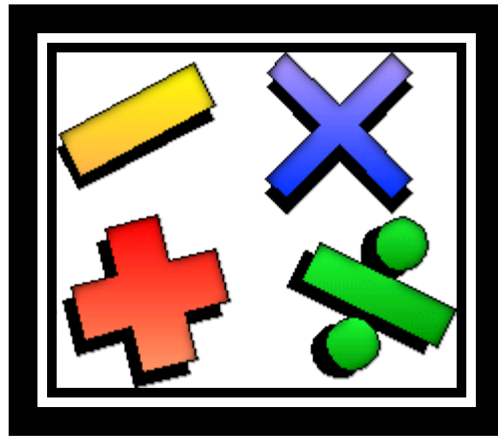
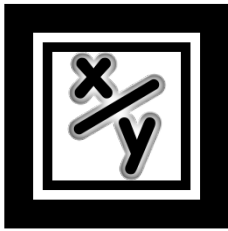


Name \_\_\_\_\_

Rising 5<sup>th</sup> Grade Summer Math Packet

# 5<sup>th</sup> Grade

## Here We Come!!!



**A) Write the place and value of the underlined digit**

- 1) 56,120
- 2) 2,391,830
- 3) 671,923
- 4) 724,001
- 5) 24,902,199

**B) Write each number in standard form and expanded form**

- 6) Six million, fifty-five thousand, seventeen
- 7) Eighty-four thousand, nine hundred
- 8) Nine hundred sixty-eight thousand, five hundred nine
- 9) Twenty-three hundred ninety-two
- 10) Three hundred sixty-eight thousand, four hundred twenty-seven

**C) 23,481,695 Use this number to name the period for the following numbers**

- 11) 4
- 12) 0
- 13) 5
- 14) 3
- 15) 2

**D) Fill in the ( ) with <, > or = that makes the number sentence true**

16)  $6,981,934$  ( )  $6,817,934$

17)  $3,416$  ( )  $3,415$

18)  $2,734,568$  ( )  $2,568,734$

19)  $98,765,432$  ( )  $98,876,543$

20)  $413$  ( )  $314$

Chapter 2 Add and Subtract Whole Numbers
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**A) Subtract Across Zeros**

21) 
$$\begin{array}{r} 2,040 \\ - \quad 946 \\ \hline \end{array}$$

22) 
$$\begin{array}{r} 7,008 \\ - \quad 2,055 \\ \hline \end{array}$$

23) 
$$\begin{array}{r} 12,050 \\ - \quad 3,162 \\ \hline \end{array}$$

24) 
$$\begin{array}{r} 60,032 \\ - \quad 21,833 \\ \hline \end{array}$$

25) 
$$\begin{array}{r} 508,200 \\ - \quad 136,118 \\ \hline \end{array}$$

**B) Solve Multi-Step Word Problems**

26) Savannah had \$15. She earned \$20. Then, she bought a gift for \$8. How much money does she have left? Write an equation to solve the problem. Use a variable for the unknown.

27) Bailey had 75 beads. She used 20 of them on a necklace and 12 of them on a bracelet. Then she bought 25 more beads. How many beads does Bailey have now?

**C) Estimate Sums and Differences – Round each number to the given place value and then solve**

28)  $5,238 + 3,420$       Hundreds

29)  $3,182 + 6,618$       Hundreds

30)  $48,205 + 50,214$       Thousands

**D) Addition Properties and Subtraction Rules – Find each unknown. Write each property or rule that is used**

31)  $25 - a = 0$   
a =  
Property Used \_\_\_\_\_

32)  $17 + (11 + 18) = (17 + g) + 18$   
g =  
Property Used \_\_\_\_\_

33)  $14 + 13 = 13 + u$   
u =  
Property Used \_\_\_\_\_

**A) Fact Family-Write the fact family for each set of numbers**

34) 6,4,24

35) 7,6,42

36) 8,4,32

37) 8,2,16

38) 5,8,40

**B) Multiply. Use the Associative Property**

39)  $10 \times 2 \times 5$

40)  $2 \times 3 \times 7$

41)  $9 \times 2 \times 4$

42)  $10 \times 2 \times 5$

43)  $6 \times 2 \times 2$

**C) Fact Family-Multiplication and Division Word Problems**

44) Regina and 6 friends went to the mall to get haircuts and makeovers. Each of them brought \$12. How much money did they bring altogether to the mall?

If each makeover costs \$10 how much change did each child receive?

45) The new Star Wars movie is coming out and Jack and 6 Jedis are headed to a private screening at Monmouth mall. If they were given \$84 to split evenly amongst them for snacks how much money does each child get?

If Jack buys Reeses Pieces for \$5 how much money does he have left for popcorn?

**D) Factors and Multiples-Find the factors for the following numbers**

46) 24

47) 100 (Bonus)

48) 21

**List the first 10 multiples for each number**

49) 7

50) 9

**A) Estimate. Round to the greatest place value and then tell whether the estimate is greater than or less than the actual product.**

51)  $561 \times 6$

52)  $2 \times 896$

53)  $729 \times 8$

54)  $2 \times 438$

55)  $3 \times 5,489$

**B) Multiply. Draw out the problem using 10s and 1s blocks.**

56)  $4 \times 22$

57)  $3 \times 31$

58)  $1 \times 56$

59)  $3 \times 20$

60)  $5 \times 50$

**C) Multiply**

61)  $423 \times 6$

62)  $1,987 \times 7$

63)  $3,459 \times 4$

64)  $11,382 \times 5$

65)  $512 \times 9$

**D) Word Problems**

66) Each fourth grade class reads a total of 495 minutes each week. Suppose there are 4 fourth grade classes. How many minutes are read each week?

67) There are 12 stickers on each sheet. There are 4 sheets in one pack. About how many stickers are in one pack?



**A) Multiply**

$$\begin{array}{r} 68) \quad 61 \\ \times \quad \underline{56} \end{array}$$

$$\begin{array}{r} 69) \quad 78 \\ \times \quad \underline{43} \end{array}$$

$$\begin{array}{r} 70) \quad 23 \\ \times \quad \underline{45} \end{array}$$

**B) Solve these problems based off this excerpt from the Bird Encyclopedia**

“Hummingbirds feed every 10 minutes. They fly about 25 miles per hour and flap their wings 60 to 80 times each second.”

71) What is the least number of times a hummingbird will flap its wings in 15 seconds?

72) What is the greatest number of times a hummingbird will flap its wings in 15 seconds?

73) How many minutes have passed if a hummingbird has eaten 45 times?

74) If a hummingbird flies a total of 20 hours, about how far did it fly? Write a number sentence to describe your answer.

75) How many times will a hummingbird feed in a day?

**C) Use the distributive property to multiply**

Example

$$45 \times 6 = (40 \times 6) + (5 \times 6) = 240 + 30 = 270$$

76)  $67 \times 3$

77)  $78 \times 6$

78)  $34 \times 5$

79)  $98 \times 4$

80)  $34 \times 9$

**D) Word Problems**

81) Each small dog at doggy day care weighs 35 pounds. Each large dog weighs 60 pounds. There are 4 small dogs and 6 large dogs. How much do the dogs weigh altogether?

82) Suzie has track practice for 1 hour on Tuesday and 2 hours on Thursday. How many hours does Suzie go to track practice in 15 weeks?

83) Mrs. Taylor gave each of her students 75 pieces of paper at the beginning of the school year. If there are 32 students in her class, how many pieces of paper did she give out altogether?

**A) Draw the following fractions**

101)		$\frac{3}{8}$	
102)		$\frac{6}{12}$	
103)		$\frac{15}{20}$	

**B) Write 2 equivalent fractions for each fraction given**

104)  $\frac{4}{10}$  \_\_\_\_\_ ,      105)  $\frac{6}{15}$  \_\_\_\_\_ ,      106)  $\frac{1}{2}$  \_\_\_\_\_ ,

107)  $\frac{4}{1}$  \_\_\_\_\_ ,      108)  $\frac{5}{9}$  \_\_\_\_\_ ,      109)  $\frac{2}{3}$  \_\_\_\_\_ ,

**C) Simplify these fractions**

110)  $\frac{2}{8}$

111)  $\frac{5}{16}$

112)  $\frac{6}{21}$

113)  $\frac{8}{12}$

114)  $\frac{100}{1000}$

**D) Change these improper fractions to mixed numbers**

115)  $\frac{16}{5}$

116)  $\frac{23}{6}$

117)  $\frac{18}{3}$

118)  $\frac{101}{10}$

119)  $\frac{20}{11}$

**E) Change these mixed numbers to improper fractions**

120)  $4 \frac{2}{5}$

121)  $2 \frac{2}{3}$

122)  $3 \frac{8}{11}$

123)  $3 \frac{6}{10}$

**F) Turn these fractions into decimals**

124)  $\frac{17}{100}$

125)  $\frac{12}{500}$

126)  $\frac{23}{100}$

127)  $\frac{32}{100}$

128)  $\frac{761}{1,000}$

**G) Turn these decimals into fractions-simplify when appropriate**

129) .003

130) .020

131) .209

132) .103

133) .003

**H) Compare the fractions using <, >, or =**

134)  $\frac{3}{1}$        $\frac{2}{4}$

135)  $\frac{1}{2}$        $\frac{4}{8}$

136)  $\frac{3}{7}$        $\frac{4}{6}$

137)  $\frac{1}{1}$        $\frac{4}{5}$

I) **Find the missing numerator or denominator**

138)  $\frac{6}{10} = \frac{18}{(\quad)}$

139)  $\frac{2}{(\quad)} = \frac{16}{24}$

140)  $\frac{9}{15} = \frac{(\quad)}{10}$

J) **What are the next 2 fractions in the pattern?**

141)  $\frac{1}{2}$  ,  $\frac{2}{4}$  ,  $\frac{3}{6}$  ,  $\frac{4}{8}$

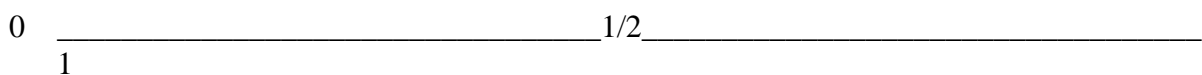
142)  $\frac{3}{4}$  ,  $\frac{6}{8}$  ,  $\frac{9}{12}$  ,  $\frac{12}{16}$

143)  $\frac{4}{10}$  ,  $\frac{6}{15}$  ,  $\frac{8}{20}$  ,  $\frac{10}{25}$

144)  $\frac{8}{12}$  ,  $\frac{10}{15}$  ,  $\frac{12}{18}$  ,  $\frac{14}{21}$

P) **Place the following fractions on the number line**

145)  $\frac{2}{3}$  ,  $\frac{1}{4}$  ,  $\frac{4}{6}$  ,  $\frac{5}{8}$



146) Mr. Miller has a rose garden with a total of 60 red roses, 30 blue roses and 150 yellow roses. If he picks  $\frac{3}{4}$  of the roses this Valentine's Day to give Mrs. Miller how many roses are left in his garden?

147) What fraction of the questions on this test would you need to get correct to receive a grade of 50?

**Vocab Check -**

Minuend –

(Please draw an example of the problem and label the minuend)

Subtrahend –

(Please draw an example of the problem and label the subtrahend)

**Define and please draw an example of each of the following 4 vocab words**

Acute Angle-

Obtuse Angle-

Straight Angle-

Right Angle-