

Name _____ Summer Assignment – 6th going to 7th – Mrs. Finan

In preparation for 7th grade, please complete the assigned problems. Please do each section on a new sheet of loose leaf. For each problem, please make sure it is properly numbered, the original problem is re-written (with the exception of word problems), all work is shown, and the answer is clearly indicated. No credit will be given if no work is provided. This will be your cover sheet: please attach all work, in order, to this page. This will count as the first test grade for the school year. All problems are to be done without the use of a calculator.

Part I

Find each sum or difference. Show ALL work.

- | | | |
|---|---------------------|-----------------------|
| 1) $4.56 + 2.9$ | 3) $3.29 + 2$ | 5) $0.005 + 0.05 + 5$ |
| 2) $3.061 + 1.8$ | 4) $1.4 + 3.75 + 6$ | |
| 6) $5.3 - 0.12$ | 8) $0.08 - 0.002$ | 10) $0.15 - 0.015$ |
| 7) $3.102 - 0.89$ | 9) $2.101 - 1.22$ | |
| 11) You decide to save some money. In week 1 you save \$4.20, in week 2 you save \$3.85, and in week 3 you save \$2.50. Find how much you saved altogether. | | |
| 12) The original price for a jacket is \$79.65. How much do you save if you buy the jacket on sale for \$62.79? | | |

Part II

Find each product. Show ALL work.

- | | | |
|----------------------|----------------------|-------------------|
| 13) 0.7×0.2 | 15) $1.02 \cdot 3.6$ | 17) $1.45(2.6)$ |
| 14) $0.4(0.6)$ | 16) 8.7×0.5 | 18) $3 \cdot 2.5$ |

Part III

Find each quotient. Show ALL work.

- | | | |
|---------------------|----------------------|----------------------|
| 19) $19.2 \div 0.3$ | 21) $83.5 \div 0.05$ | 23) $2.16 \div 1.2$ |
| 20) $56.4 \div 4$ | 22) $10 \div 0.04$ | 24) $65.4 \div 0.02$ |

Part IV

Compare using $<$, $=$ or $>$.

- | | | |
|--------------------------------|---------------------------------|--------------------------------|
| 25) $0 \underline{\quad} - 2$ | 28) $-23 \underline{\quad} 0$ | 31) $7 \underline{\quad} - 12$ |
| 26) $-6 \underline{\quad} - 3$ | 29) $-4 \underline{\quad} - 5$ | 32) $5 \underline{\quad} - 1$ |
| 27) $-14 \underline{\quad} 14$ | 30) $17 \underline{\quad} - 18$ | |

Order the numbers from least to greatest.

- | | | |
|--|------------------------|------------------------|
| 33) $-4, 8, -2, -6, 3$ | 34) $-2, 0, 7, -1, -5$ | 35) $2, -3, -7, 1, 10$ |
| 36) One day in January, five different cities had temperatures of -12°F , 5°F , -16°F , 0°F , 73°F . List the temperatures from least to greatest. | | |

Part V

Find each sum. Follow the integer rules. (Same signs add and keep, different signs subtract, keep the sign of the bigger number, then you'll be exact.) **Show ALL work.**

37) $-5 + 4$

38) $2 + (-8)$

39) $-6 + 7$

40) $7 + 3$

41) $-2 + (-3)$

42) $-5 + (-5)$

43) $27 + (-24)$

44) $-42 + 42$

45) $-15 + 20$

46) $-8 + (-3)$

47) $29 + 1$

48) $-3 + 3$

49) $17 + (-8)$

50) $-14 + (-14)$

51) $12 + (-4)$

52) $-15 + (-2)$

Part VI

Find each product or quotient. (Same signs = positive; different signs = negative) **Show ALL work.**

53) -5×4

54) $12(3)$

55) $6(-6)$

56) $-7 \cdot (-3)$

57) $-2 \times (-4)$

58) $3(-33)$

59) $-35 \cdot 2$

60) $-10(6)$

61) $\frac{36}{12}$

62) $\frac{14}{-2}$

63) $-12 \div 3$

64) $-80 \div -2$

65) $64 \div -8$

66) $-\frac{27}{-9}$

67) $96 \div (-12)$

68) $-\frac{242}{-1}$

Part VII

Find the value of each expression. Show ALL work. Follow PEMDAS and integer rules.

69) $6 + 1 \cdot 5$

70) $-4 \div 2 + 9$

71) $5 - 8 \div 4$

72) $3 - 0 \cdot 11$

73) $18 \div 3 \times 2^3$

74) $100 - 7 \cdot 9$

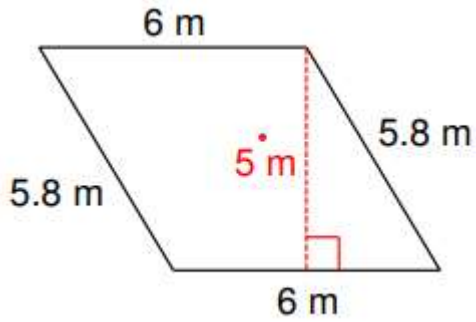
75) $42 \div 6 - (1 + 4)$

76) $48 \div (-4 \cdot 3) + 2$

77) You buy some items at a store and pay at the register. You receive two quarters, two dimes, and three pennies as change. How much money do you receive?

Part VIII

Find the area and perimeter of the figure below. Show ALL work.



78) Perimeter = _____

79) Area = _____

Part IX

Simplify each expression. Show ALL work and simplify your answer.

80) $\frac{2}{3} + \frac{4}{5}$

83) $12 \div \frac{1}{3}$

86) $\frac{9}{10} \div \frac{2}{5}$

81) $(6) \left(1 \frac{3}{10}\right)$

84) $\left(\frac{6}{7}\right) \left(\frac{3}{8}\right)$

87) $5 \frac{7}{8} - \frac{5}{8}$

82) $\frac{1}{2} - \frac{3}{10}$

85) $2 \frac{3}{4} + 2 \frac{5}{9}$

88) $3 \frac{5}{6} - 1 \frac{1}{4}$