NAME: _____   DATE: _____

6th Grade MATH SUMMER PACKET ANSWERS
Please attach ALL work

1.)_____   26.)_____   51.)_____   76.)_____

2.) _____   27.) _____   52.) _____   77.) _____

3.)_____   28.)_____   53.) _____   78.) _____

4.)_____   29.)_____   54.) _____   79.) _____

5.)_____   30.)_____   55.) _____   80.) _____

6.)_____   31.) _____   56.)_____   81.) _____

7.)_____   32.)_____   57.) _____   82.) _____

8.) _____   33.)_____   58.) _____   83.) _____

9.)_____   34.)_____   59.) _____   84.) _____

10.) _____   35.)_____   60.)_____   85.) _____

11.) _____   36.) _____   61.) _____   86.)_____

12.) _____   37.) _____   62.) _____   87.) _____

13.) _____   38.) _____   63.) _____   88.)_____

14.) _____   39.) _____   64.) _____   89.)_____

15.) _____   40.) _____   65.) _____   90.)_____

16.) _____   41.) _____   66.) _____   91.)_____

17.) _____   42.) _____   67.) _____   92.)_____

18.) _____   43.) _____   68.) _____   93.)_____

19.) _____   44.) _____   69.) _____   94.)_____

20.) _____   45.) _____   70.) _____   95.)_____

21.) _____   46.) _____   71.) _____   96.)_____

22.) _____   47) _____   72.) _____   97.)_____

23.) _____   48.) _____   73.) _____   98.)_____

24.) _____   49.) _____ 6th Grade MATH PACKET 74.) _____   99.) _____

25.) _____   50.) _____   75.) _____   100.)_____

Entering 6th Grade Summer Packet

First Name: _____ Last Name: _____

5th Grade Teacher: _____   I have checked the work completed _____

Parent's Signature

PLEASE PUT YOUR ANSWERS ON THE ANSWER SHEET PROVIDED

1.)Write the place value of the underlined digit in 5<u>2</u>3,411,396 _____

2.) Write the place value of the underlined digit in 402, 654.2<u>8</u>93? _____

3.) Write the place value of the underlined digit in 32.3859<u>7</u>? _____

4.) Write the place value of the underlined digit in <u>1</u>728.432? _____

5.) What digit is in the thousandths place in 420.25273? _____

6.) What digit is in the millionths place In 25.7493187?_____

7.) What is the <u>value</u> of the last underlined digit In 46.9<u>8</u>? _____

8.) What is the <u>value</u> of the last underlined digit In 827.3859<u>2</u>? _____

9.) Write ten billion in standard form.

10.) Write one million, sixty-two thousand, Nine hundred thirteen in standard form.

11.) Use > or < to compare the numbers 106218___ 106,812

12.) Use > or < to make the relation true. 43.561_____44.679_____44.69

13.) Order from least to greatest. 2.706; 2.805; 2.766; 2.679

_____

14.) Order from greatest to least. 7.07; 77.7; 7.017; 77.077

_____

*Write in word form

15.) .6 _____

16.) 7.438 _____

17.) 104.46 _____

18.) .00008 _____

*Write in standard form

19.) five and sixty-three hundredths _____

20.) six thousandths _____

21.) two hundred sixty-one and four hundred nineteen thousandths _____

22.) One million, eighty-four thousand, ninety-two and three hundredths _____

*Add the following

23.) 4.208 + 6.967=_____

24.) 59.7 + 79= _____

25.) 1.928 + 16.32 =_____

*Subtract the following

26.) 2.51 – 1.988= _____

27.) 116.4 – 90.287= _____

28.) $35 - $21.54 =_____

*Multiply the following

29.) 594 x .8 =_____

30.) 1,174 x .06 =_____

31.) 5.4 x 91.7 =_____

32.) 8.06 x .355 =_____

33.) 21.56 x .12 =_____

*Divide the following

34.) 36 ÷ .6 =_____

35.) 4.9 ÷ .07 =_____

36.) 5.42 ÷ .8 =_____

37.) 17.5 ÷ .25 =_____

38.) 3.3 ÷ .08 =_____

*Find the difference

53.) $\frac{1}{3} - \frac{1}{6} =$ _____

54.) $\frac{7}{8} - \frac{1}{10} =$ _____

55.) $5\frac{2}{4} - 2\frac{3}{4} =$ _____

56.) $7\frac{2}{5} - 1\frac{3}{5} =$ _____

*Use the Order of Operations to Solve

39.) 72 ÷ 9 − 5 + 7 = _____

40.) 4 + 8 ÷ (4 ÷ 2) = _____

41.) 7 ÷ 7 x 7 =_____

42.) 7 x 6 ÷ 3 + 4 − 2 =_____

43.) 24 ÷ 4 x 2 =_____

*Find the product

57.) $\frac{2}{5} \times 10 =$ _____

58.) $\frac{7}{8} \times \frac{2}{3} =$ _____

59.) $2\frac{1}{4} \times \frac{1}{3} =$ _____

60.) $7\frac{2}{3} \times 6 =$ _____

*Write each of the following using mathematical symbols

44.) Nineteen more than eleven _____

45.) The sum of two and twelve is fourteen _____

46.) One hundred divided by twenty is five _____

47.) The product of 50 and some number n is 450 _____

48.) Some number more than 15 is 45 _____

*Find the quotient

61.) $\frac{4}{5} \div \frac{1}{5} =$ _____

62.) $2 \div \frac{2}{7} =$ _____

63) $2\frac{1}{4} \div \frac{1}{3} =$ _____

64.) $\frac{5}{9} \div \frac{1}{2} =$ _____

*Find the sum

49.) $\frac{2}{3} + \frac{1}{6} =$ _____

50.) $\frac{3}{4} + \frac{5}{8} =$ _____

51.) $2\frac{1}{3} + 4\frac{2}{3} =$ _____

52.) $7\frac{2}{5} + 1\frac{3}{5} =$ _____

*Convert the following

65.) 48 inches = _____ feet

66.) 50 yds = _____ feet

67.) 64 ounces = _____ pounds

68.) 5,000mm = _____ meter
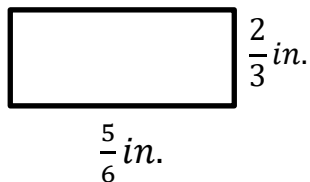
69.) 45meter = _____ centimeters
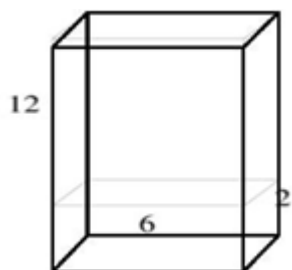
70.) 1,900mL = _____ Liters

71.) 16cups = _____ quarts

*Use the following Line Plot

72.) What is the area of this rectangle?

$\dfrac{2}{3}$ *in.*

$\dfrac{5}{6}$ *in.*
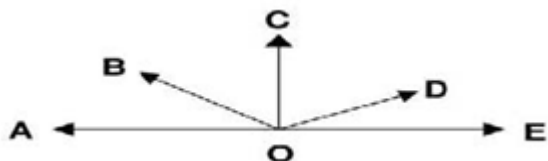
A= _____

73.) A cereal box has the shape of a rectangular prism. It is 12 inches high, 6 inches wide and 2 inches deep. How many cubic inches of cereal can it hold?

12

6

Volume= _____

C

B

D

A ◄————————————► E

O

74.) Idenify an acute angle from the diagram above.

_____

75.) Identify an obtuse angle from the diagram above.

_____
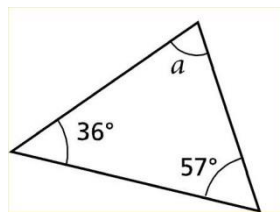
76.) Identify a right angle from the diagram above.

_____
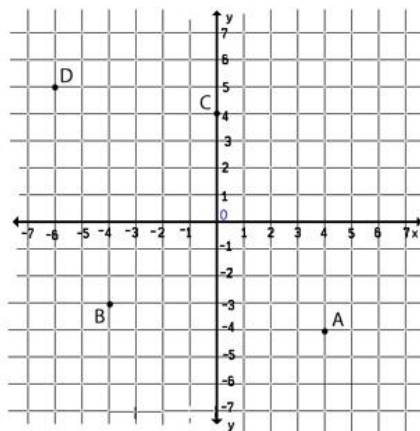
77.) Identify a straight angle from the diagram above.

_____

78.) Find the missing angle in the triangle below.

Measure angle A= _____

a

36°

57°

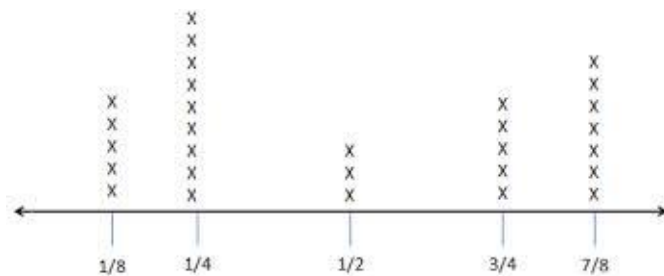Use the coordinate plane to answer the following questions

79.) What are the coordinates of Point A _____

80.) What are the coordinates of Point B _____

81.) What are the coordinates of Point C _____

82.) What are the coordinates of Point D _____

1/8   1/4   1/2   3/4   7/8

83.) What is the mode of this data above?_____

84.) What is the median of the data above? _____

85.) What is the range of the data above? _____

*Answer the following word problems

86.) Mrs. Lovell's class is baking cookies. They need 3 3/5 pounds of sugar and 5 1/3 pounds of flour. When they mix the sugar and flour together, how many pounds will they have altogether?_____

87.) Tom had 7/12 of a pizza. His little sister came along and took 2/5 of his pizza away. How much pizza does Tom have left?_____

88.) Don has $12.32 in his piggy bank. He collects and returns pop cans for $3.70. Approximately how much money does he have together? (Round the answer to the nearest whole dollar.)_____

89.) Sharon reads the juice bottle and finds that it contains 1.89 liters of juice. His cup only holds 240 milliliters so he wants to convert 1.89 liters to milliliters. The bottle contains how many milliliters?_____

90.) Using unit cubes, build a solid that is 4 units in length, 4 units in width, and 4 units in height. What is the volume? _____

91.) If the minute hand moves half way around a clock, how many degrees has the minute hand turned?

92.) If you are facing north and you turn your body so that you are facing east, how many degrees have you turned? _____

93.) A gate is open in a 50 degree angle. How many more degrees will the gate have to open until it is flat against the fence? _____

94.) Last summer Samantha swam the backstroke in five swim meets. Her times were: 56 seconds 56 seconds 44 seconds 47 seconds 42 seconds. Find the mean of her times. _____

95.) Mary's quiz scores were 92, 85, 78, 92, 71, 77, and 80. What is Mary's average? _____

96.) Construct a factor tree for the composite number 27. Express your answer in exponential form (with exponents)_____

97.) Nancy and Gabe had a pizza with 12 pieces. Brent ate 1/3 of a pizza and Kayla ate ¼ of a pizza. How much of the whole pizza is left? Show your work. _____

98.) Samantha has to read a book that is 525 pages long. She has 21 days to read the book. How many pages will she need to read each day to finish on time?_____

99.) The 5th grade is going on a trip to the state park. There are 1,012 students going. Each bus can hold 44 students. How many busses will they need?_____

100.) Use a factor tree to find the prime factorization of the composite number 50. Write your answer in exponent form?_____