

Rising Seventh Grader

No earlier than August 1st and no later than September 1st please complete the attached summer math assignment (due on Wednesday, September 7th). The goal is to provide you with some practice, to re-familiarize yourself with some foundational sixth grade math material, and to start the year with some momentum.

You can: complete the packet a little bit at a time
 complete it in one sitting
 seek help from a trusted math source (family member, notebook, etc.) once you have made an effort on a problem

You should not: lose it
 complete the packet early
 use a calculator

You must: use pencil
 show all work
 bring it to school on the first day
 put your answers on the answer sheet provided at the end of the packet

The summer packet and its submission will be treated as the first quiz of seventh grade math. Start the year off right.

Here's to a great summer, one that is both active and restful. Enjoy it!

Ms. Ostermueller

1.) Write $\frac{28}{35}$ in simplest form.

2.) Compute $43\overline{)43946}$

3.) Find the least common multiple of 9 and 15.

4.) Find the greatest common factor of 30 and 48.

5.) In the number 4,053,812,697 which digit is in the millions place?

6.) Arrange the following in order from least to greatest:

9.62

9.26

9.026

9.206

For problems # 7-12, compute each of the following:

7.) $4.93 + 493 + .493$

8.) $45.7 - 3.124$

9.) 0.87×3.2

10.) $3\frac{3}{8} + 5\frac{2}{3}$

11.) $7\frac{2}{5} - 3\frac{7}{8}$

12.) $6 + (-13)$

For problems # 13-15, fill in the blank with $<$, $>$, or $=$, to make the statement correct.

13.) $\frac{12}{33}$ _____ $\frac{3}{8}$

14.) $.45$ _____ $.405$

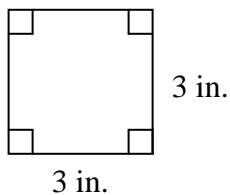
15.) -4 _____ -3.5

For problems # 16-20, fill in the blank with the appropriate word.

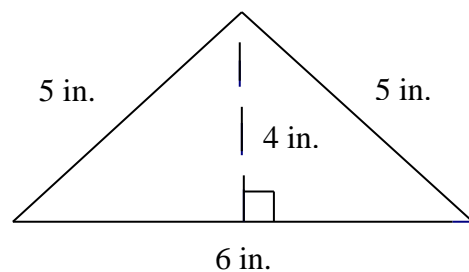
- 16.) A polygon with 6 sides is called a(n) _____.
- 17.) An angle of 43° is a(n) _____ angle.
- 18.) A quadrilateral with exactly one pair of parallel sides is a _____.
- 19.) A chord that passes through the center of a circle is the _____.
- 20.) What is the mean score of the following scores: 70,80,90,75, and 85 ?
- 21.) 72 in. = _____ ft.
- 22.) Write .35 as a percent.
- 23.) Write $\frac{7}{20}$ as a ratio.
- 24.) Write the ratio 5 to 6 as a fraction.
- 25.) Write 5% as a decimal.
- 26.) What percent of 32 is 16?
- 27.) 30% of 120 is what number?
- 28.) 150% of what number is 45?

For problems # 29-31, find the area of the given shapes.

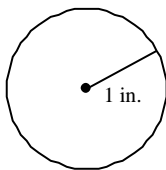
29.)



30.)



31.)



- 32.) What is the median of the following scores: 85, 86, 84, 85, and 88 ?
- 33.) Find the sale price of a cordless telephone listed at \$98 but sold at a discount of 25%.
- 34.) A jar contains 2 white, 4 red, 1 green, and 3 yellow jelly beans. What is the probability of picking a red jelly bean out of the jar?
- 35.) Write $\frac{2}{5}$ as a percent.
- 36.) Use order of operations to simplify $25 \div 5 - 1 \times 3$

For problems # 37-39, solve the equation for the given variable.

37.) $y - 2.5 = 5$

38.) $8y = 24$

39.) $\frac{w}{8} = 2.2$

- 40.) Round 346.96715 to the ones place.
- 41.) Find the circumference of a circle with a diameter of 10 m.
- 42.) Find the perimeter of an octagon whose sides are all 4.5 in.
- 43.) Out of 60 days, Beanie was absent 6 days. What percent of the days was Beanie present?
- 44.) Find all the prime factors of 280 and write in exponential form.
- 45.) What fractional part of a dollar is a quarter?
- 46.) Use cross products to solve $\frac{6}{x} = \frac{4}{5}$ for x .

- 47.) Arrange the following numbers: $\frac{5}{12}, \frac{2}{3}, \frac{3}{4}, \frac{1}{6}, \frac{1}{2}$ in order from least to greatest:

For problems # 48-50, perform the correct operation and write your answers in lowest terms.

48.) $4\frac{1}{5} \div 1\frac{2}{5}$

49.) $3\frac{1}{4} \cdot 2\frac{2}{3} \cdot 4\frac{1}{2}$

50.) $19.6 \div 14$

Name: _____

Summer Assignment Answer Sheet

1.) _____

26.) _____

2.) _____

27.) _____

3.) _____

28.) _____

4.) _____

29.) _____

5.) _____

30.) _____

6.) _____

31.) _____

7.) _____

32.) _____

8.) _____

33.) _____

9.) _____

34.) _____

10.) _____

35.) _____

11.) _____

36.) _____

12.) _____

37.) _____

13.) _____

38.) _____

14.) _____

39.) _____

15.) _____

40.) _____

16.) _____

41.) _____

17.) _____

42.) _____

18.) _____

43.) _____

19.) _____

44.) _____

20.) _____

45.) _____

21.) _____

46.) _____

22.) _____

47.) _____

23.) _____

48.) _____

24.) _____

49.) _____

25.) _____

50.) _____