

SHOW ALL WORK! BOX YOUR ANSWERS!!

Name: _____
Date: _____

**Sixth Grade – Course 1
Final Review**

CHAPTER ONE

1. What happens to the decimal point when you multiply a number by 100?
2. What happens to the decimal point when you divide a number by 10?
3. $40 \cdot 0.1 - (9 - 6)$
4. Round 1.9876 to the nearest hundredths place.

CHAPTER TWO

5. Evaluate $3x + 15$ for $x = 7$.
6. Write $n \cdot n \cdot n \cdot n$ using exponents.

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7. Write an expression for the phrase: v increased by 16.7

CHAPTER THREE

8. Write three fractions equivalent to four tenths.

9. Write $\frac{36}{120}$ in simplest form.

10. Write $4\frac{1}{2}$ as an improper fraction.

11. Write $\frac{23}{4}$ as a mixed number in simplest form.

12. Write 7.405 as a fraction or mixed number in simplest form.

CHAPTER FOUR

13. $\frac{1}{3} + \frac{2}{5}$

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14. $\frac{3}{4} - \frac{1}{12}$

15. $11 \frac{1}{3} + 6 \frac{7}{9}$

16. $15 \frac{11}{12} - 11 \frac{1}{2}$

CHAPTER FIVE

17. Find $\frac{3}{4}$ of 20.

18. $5 \frac{5}{6} \cdot 6 \frac{4}{9}$

19. $\frac{3}{8} \cdot \frac{2}{5}$

20. $\frac{7}{8} \div 3$

21. $8 \frac{3}{4} \div 2 \frac{1}{2}$

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22. 45 in. = _____ ft.

CHAPTER SIX

23. Find the unit rate: 18 inches in 3 years

24. Find the value that completes the proportion: $\frac{6}{7} = \frac{x}{72}$

25. Write 36% as a decimal.

26. Write 0.07 as a percent.

27. Write 18% as a fraction in simplest form.

28. What is 55% of 91?

29. Find 65% of 240.

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CHAPTER SEVEN

30. Find the mean, median, mode, and range of the following set of data:

86 90 88 84 102 95 7

31. Make a stem-and-leaf plot for the following set of data:

137 125 145 123 132 155 141 140 133 127 124

CHAPTER EIGHT

32. What is the complement of 35° ?

33. What is the complement of 9° ?

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34. What is the supplement of 130° ?

35. What is the supplement of 46° ?

36. How would you classify a triangle with angle measures of 37° , 65° , and 78° ?

37. How would you classify a triangle with a right angle and three different side measures?

CHAPTER NINE

38. $15 \text{ mg} = \underline{\hspace{2cm}} \text{ g}$

39. $27 \text{ cm} = \underline{\hspace{2cm}} \text{ km}$

40. $837 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$

41. Find the perimeter and area of a rectangle with a length of 8 ft and a width of 5 ft.

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42. Find the area of a triangle with a base of 6 cm and a height of 9 cm.
43. Find the surface area of a cylinder with a radius of 2.7 in and a height of 8 in.
44. Find the volume of a rectangular prism with a length of 8 meters, a width of 7 meters, and a height of 10 meters.

CHAPTER TEN

45. What is the absolute value of -9? ($|-9|$)
46. Compare: -12 _____ 9
47. Order these numbers from least to greatest: -25, 100, -50, 75
48. $(-2) + (-3)$

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$$49. -9 + (-12)$$

$$50. 6 + 9$$

$$51. 4 + (-1)$$

$$52. -3 + 2$$

$$53. 4 - (-1)$$

$$54. 3 - (-5)$$

$$55. m + 9 = 5$$

$$56. c - 15 = -5$$

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57. $-6 \cdot 7$

58. $-3 \cdot -8$

59. $-20 \div (-4)$

60. $55 \div (-11)$