

DIRECTIONS: This assignment is for students who will enter 8th grade for the 2009-2010 school year. There are 63 problems. This assignment will help to keep your math skills fresh and help to prepare you for the beginning of 8th grade. If you have difficulty completing a problem, ask for help from a parent, brother or sister, or a friend; but be sure you complete the problems. Space has been provided next to each problem for your work. Print the completed assignment off the computer and bring it to class on the first day of school. **GOOD LUCK!!!!**

**MATHEMATICS
8TH GRADE**

NAME: _____

1. Write six and fifty-six thousandths as a decimal. _____
2. Write thirty-four thousandths as decimal. _____
3. Write 4.823 in words. _____
4. Use <, >, or = to compare the decimals. 0.055 _____ 0.05
5. Write the decimals in order from least to greatest.
6.81, 0.0681, 68.1, 0.681 _____
6. Round 48,905 to the nearest thousand. _____
7. Round 22.857 to the nearest tenth. _____
8. Round 56.888 to the nearest whole number. _____
9. Round 12.5992 to the nearest hundredth. _____
10. Find the difference. $34.67 - 33.06$ _____
11. Find the sum. $97.345 + 2.28$ _____
12. Find the difference. $7 - 1.678$ _____

13 Find the product. $3.006 \cdot 2.89 =$ _____

14. Find the sum. $0.003 + 2.55 + 7.1$ _____

15. Find the product. $0.0054 \cdot 0.06 =$ _____

16. Find the quotient. $28 \overline{)0.1046}$

17. Find the quotient. $0.02 \overline{)6,374}$

18. Find the product. $66.42 \cdot 0.0004$ _____

19. Write as a mixed number. $\frac{26}{4}$ _____

20. Write as an improper fraction $3\frac{5}{8}$ _____

21. Add. $10\frac{3}{8} + 5\frac{6}{8}$

22. Subtract. $9\frac{2}{5} - 5\frac{3}{5}$

23. Multiply. $\frac{8}{12} \cdot \frac{48}{64}$

24. Divide. $\frac{4}{24} \div \frac{16}{48}$

25. Draw a bar graph for the data in the table.

Numbers of Movies Rented Per Month					
Months	Jan.	Feb.	Mar.	Apr.	May
Number of Rentals	12	4	6	10	5

26. Write using exponents. $7 \cdot 7 \cdot 7 \cdot 7 \cdot 5$ _____

27. Write using exponents. $s \cdot s \cdot t \cdot s \cdot t \cdot t$ _____

28. Simplify each expression. 9^2 _____ $(-9)^2$ _____

Add, Subtract, Multiply, or Divide.

29. $-89 + (23) =$ _____

30. $15 - 72 =$ _____

31. $-848 - (-35) =$ _____

32. $66 + (41) =$ _____

33. $6(-8) =$ _____

34. $(-8)(-8) =$ _____

35. $\frac{-36}{-9}$ _____

36. $\frac{84}{-12}$ _____

37. $\frac{-49}{7}$ _____

Solve each one-step equation.

38. $x - 6 = -36$

39. $-24 = m + 6$

40. $-11w = -121$

41. $-15p = 225$

42. $5.2 = \frac{h}{-12}$

43. $\frac{a}{17} = -102$

44. Find the mean, median, mode and range of the data set.

Scores in golf: 4, -5, 2, -5, 7, -3, 5, -3, 4

Mean: _____

Median: _____

Mode: _____

Range: _____

45. Suppose you buy a baseball card for 15 cents and sell it for 55 cents. You then buy it back for 40 cents and sell it again for a dollar. How much did you make?
46. You buy three pounds of grapes on sale for \$1.68 a pound. Grapes regularly sell for \$2.89 a pound. How much did you save?
47. Your brother earned \$8 less than you did working last Saturday. If you both earned a total of \$70, how much did each of you earn?
48. Suppose a Web site offers some of your favorite video games for \$29.50 each. There is a flat-rate shipping charge of \$6. You have at most \$80 you can spend. How many games can you buy?
49. A football team gained 10 yards on one play and then lost 18 yards on the next play. What was their total loss or gain of yardage?

Write each fraction as a decimal. Round to three decimal places.

50. $\frac{4}{6}$ _____

51. $\frac{5}{16}$ _____

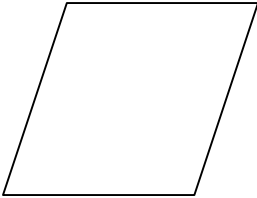
Write each percent as a fraction in simplest form.

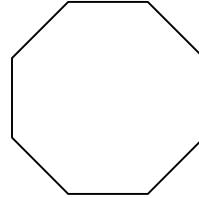
52. 48% _____

53. 14% _____

Write the best name for these shapes.

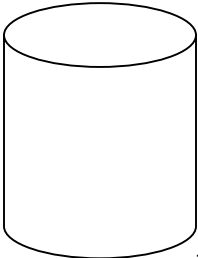
54.

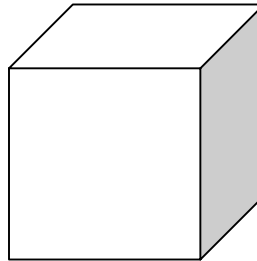




Name the solids.

55.





Which metric units would you use for each measure?

56. distance from Tampa to Chicago _____

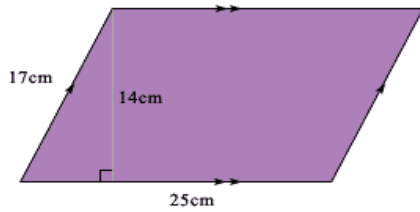
57. mass of a hamburger _____

58. capacity of a glass of orange juice _____

59. length of a football field _____

60. weight of a tomato _____

Find the area of this parallelogram.



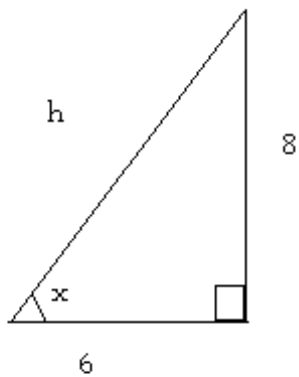
61. area = _____

62. Find the circumference and area of a circle with a radius of 12cm.

Circumference = _____

Area = _____

63. Find the area of this triangle.



Area = _____