

**Grade 7 Summer Assignment-2010**

**Complete all questions.**

**Choose the best term from the list to complete each sentence.**

- |   |                     |
|---|---------------------|
| 1. _____ is the _____ of addition.  | hundredths          |
| 2. According to the _____, you must multiply or divide before you add or subtract when simplifying a numerical _____.                             | decimal             |
| 3. A(n) _____ names the same value.   | order of operations |
| 4. A number that consists of a whole number and a fraction is called a(n) _____.  | opposite operation  |
| 5. A(n) _____ is a number that represents a part of a whole.  | numerator           |
| 6. A(n) _____ is another way of writing a fraction.   | equivalent fraction |
| 7. To multiply 7 by the fraction $\frac{2}{3}$ , multiply 7 by the _____ of the fraction and then divide the result by the _____ of the fraction. | fraction            |
|   | improper fraction   |
|   | expression          |
|   | mixed number        |
|   | denominator         |
|   | subtraction         |
|   | tenths              |
|   | proper fraction     |

**Order each sequence of numbers from least to greatest.**

8. 1050; 11,500; 105; 150

9. 44,400; 40,040; 40,400; 44,040

10. 503; 53; 5300; 5030

**Simplify each expression.**

11.  $2 + 3 \cdot 4$

12.  $50 - 2 \cdot 5$

13.  $13 + 6 \div 2 - 4 \cdot 3$

14.  $(8 - 3)(8 + 3)$

15.  $16 \div 4 + 2 \cdot 3$

16.  $12 \div 3 \div 2 + 5$

**Determine whether the given expressions are equal.**

17.  $9 - 4 \cdot 7 \cdot 2$  and  $(9 - 4) \cdot 2$

18.  $2 \cdot 3 + 2 \cdot 4$  and  $2 \cdot (3 + 4)$

**Multiply or divide.**

19.  $358 (1000)$

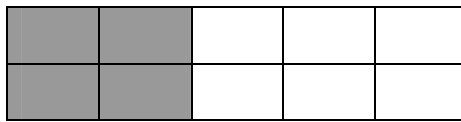
20.  $.358 (100,000)$

21.  $\frac{358}{10}$

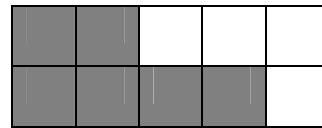
22.  $\frac{358}{1000}$

**Write a fraction to represent the shaded portion of each diagram.**

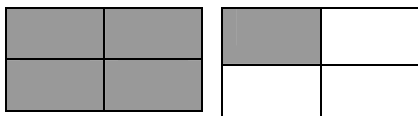
23.



24.



25.



**Write each improper fraction as a mixed number.**

26.  $\frac{22}{7}$

27.  $\frac{18}{5}$

**Write each mixed number as an improper fraction.**

28.  $7\frac{1}{4}$

29.  $10\frac{3}{7}$

**Supply the missing information. (Write equivalent fractions.)**

30.  $\frac{3}{8} = \frac{?}{24}$

31.  $\frac{5}{13} = \frac{?}{52}$

**Round each number to the indicated place value.**

32. 34.7826; nearest tenth

33. 137.5842; nearest whole number

34. 287.2872; nearest thousandth

**Order each sequence of numbers from greatest to least.**

35. 3.005, 3.05, 0.35, 3.5

36. 0.048, 0.408, 0.0408, 0.48

37. 5.01, 5.1, 5.011, 5.11

**Write each number in standard form.**

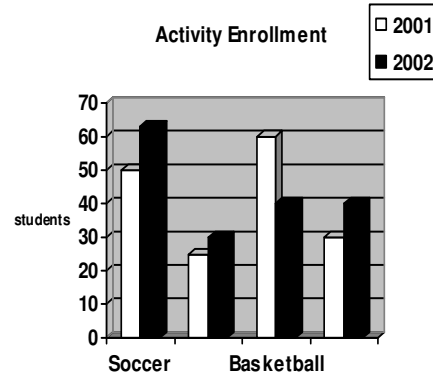
38. 1.3 million

39. 7.59 million

Use the table for problems 62- 64.

40. Which activity experienced the greatest change in participation from 2000 to 2001?

41. Which activity experienced the greatest positive change in participation from 2000 to 2001?



**Multiply.**

42.  $\frac{1}{2} (8) (10)$

43.  $\frac{1}{3} (6) (7 + 4)$

**Write each fraction in simplest form.**

44.  $\frac{8}{24}$

45.  $\frac{15}{50}$

**Find the least common denominator for each set of fractions.**

46.  $\frac{2}{3}$  and  $\frac{1}{5}$

47.  $\frac{3}{4}$  and  $\frac{1}{6}$

**Write each decimal as a fraction in lowest terms.**

48. 0.7

49. 0.375

**Write each fraction as a decimal.**

50.  $\frac{3}{4}$

51.  $\frac{5}{8}$

**Refer to the graph to answer each question.**

52. Which item accounts for nearly half the budget?

53. What dollar amount is spent on computer equipment?

