Name: _____ Class: _____ Date: _____ ID: A

Study Sheet 2 First 9 Weeks

Short Answer

1. Write the decimal 0.7 as a fraction in simplest form.
2. Write the decimal 0.96 as a fraction in simplest form.
3. Write the decimal 0.322 as a fraction in simplest form.
4. Write the decimal $0.\overline{21}$ as a fraction in simplest form.
5. Write the decimal $0.0\overline{4}$ as a fraction in simplest form.
6. Write the following fraction as a decimal. $\frac{1}{9}$
7. Write the following fraction as a decimal. $\frac{7}{4}$
8. Write the following fraction as a decimal. $\frac{1}{3}$
9. Solve. $0.17 - 1.83$
10. Solve. $-1.21 - 0.66$
11. Solve. $0.04 + 0.03$
12. Evaluate the expression $-20.4 + x$ for $x = -29.6$.
13. Solve. If possible, simplify. $\frac{-3}{12} + \frac{4}{12}$
14. Solve. If possible, simplify. $\frac{3}{8} + \frac{7}{8}$
15. Solve. If possible, simplify. $\frac{-1}{12} + \frac{5}{12}$
16. Multiply the following and simplify. $6\left(\frac{4}{10}\right)$
17. Multiply the following and simplify. $4\left(\frac{3}{11}\right)$
18. Multiply, and simplify the answer. $\frac{-3}{5}\left(\frac{-6}{7}\right)$
19. Multiply, and simplify the answer. $\frac{-4}{7}\left(\frac{3}{4}\right)$
20. Multiply, and simplify the answer. $\frac{5}{6}\left(\frac{-3}{5}\right)$
21. Multiply. $-0.7(0.53)$
22. Multiply. $-0.03(0.07)$
23. Multiply. $0.05(8.3)$
24. Evaluate the expression $1\frac{1}{8}s$ for $s = 1\frac{5}{6}$.
25. Evaluate the expression $-3\frac{2}{3}s$ for $s = \frac{1}{2}$.
26. Evaluate the expression $\frac{1}{2}s$ for $s = -\frac{7}{8}$.
27. Divide and simplify. $\frac{5}{18} \div \frac{4}{16}$
28. Divide and simplify. $\frac{6}{14} \div \frac{6}{9}$
29. Divide and simplify. $\frac{7}{16} \div \frac{6}{7}$
30. Divide. $.56 \div .7$
31. Divide. $0.36 \div 9$
32. Evaluate the expression $\frac{19.22}{n}$ for $n = 3.1$.

33. A box of rotini noodles contains 9 servings. If you eat $\frac{6}{5}$ of the recommended serving as a meal, how many complete meals can you get from one box?

34. Perform the following operation. Simplify if necessary. $\frac{-3}{10} + \frac{4}{9}$

35. Perform the following operation. Simplify if necessary. $\frac{2}{11} + \frac{5}{7}$

36. Perform the following operation. Simplify if necessary. $\frac{-9}{7} - \frac{6}{9}$

37. Evaluate the expression $n - 1\frac{5}{7}$ for $n = 5\frac{1}{2}$.

38. A candle was originally $3\frac{1}{3}$ inches tall. After burning awhile, it is now $2\frac{1}{2}$ inches. How much did it burn?

39. Name all the sets of the real numbers to which 5 belongs.
(Natural, Whole, Integer, Rational or Irrational).

40. Name all the sets of the real numbers to which -6 belongs.
(Natural, Whole, Integer, Rational or Irrational).

41. Name all the sets of the real numbers to which $\sqrt{37}$ belongs.
(Natural, Whole, Integer, Rational or Irrational).

42. Put a <, >, = in between the numbers to make a true statement.
2.04 O 2.037

43. Put a <, >, = in between the numbers to make a true statement.
$\frac{1}{6}$ O $\frac{7}{41}$

44. Put a <, >, = in between the numbers to make a true statement.
$3.\bar{3}$ O 3.32