

Name:

Period:

Score:

Unit 2 Review Sheet
Rational Numbers

Int 1

Unit 2

For each of the following problems, tell what place value the 5 is located in.

1. 0.157

2. -43.59

3. 59.62

4. 6.905

5. 95.001

Simplify.

6.
$$\begin{array}{r} 15.3 \\ +11.9 \\ \hline \end{array}$$

7. $10.453 + (-12.5) =$

8. $-23.87 - 26.13 =$

9. $-20.9 + (-5.23) =$

10. $-0.74 - (-0.123) =$

For each of the following rational numbers, tell whether they are **TERMINATING** or **REPEATING** decimals.

11. 0.66 _____

12. $4.\bar{5}$ _____

13. $\frac{1}{3}$ _____

14. -2.567 _____

15. $\frac{8}{9}$ _____

16. $\frac{2}{5}$ _____

Write each fraction as a decimal and each decimal as a fraction. Show your work.

17. $-\frac{3}{20}$

18. $3\frac{5}{8}$

19. -9.36

20. $\frac{7}{18}$

21. 0.045

22. 4.4

Fill in the blank with $<$, $>$, or $=$ to make the statement true. Show your work.

23. $-\frac{1}{2}$ _____ $-\frac{3}{5}$

24. $\frac{7}{20}$ _____ 0.34

25. -8.56 _____ -8.71

26. 0.5 _____ $0.4\overline{9}$

27. $\frac{5}{8}$ _____ $\frac{2}{3}$

Order each set of numbers from least to greatest. Show your work.

28. $\left\{0, -\frac{4}{9}, \frac{1}{3}, \frac{4}{7}, -\frac{5}{7}\right\}$

29. $\left\{2\frac{1}{4}, 2\frac{4}{7}, 2.3, 2.23\right\}$

_____, _____, _____, _____, _____

_____, _____, _____, _____

Simplify. Show all of your work.

30. $\frac{6}{11} - \frac{10}{11} =$

31. $\left(-\frac{6}{7}\right) + \left(-\frac{2}{3}\right) =$

32. $\frac{2}{5} + \left(-\frac{3}{5}\right) =$

33. $2\frac{1}{8} + 3\frac{7}{12} =$

34. $4\frac{1}{5} + \left(-2\frac{1}{2}\right)$

35. $4\frac{2}{9} - \left(-3\frac{2}{3}\right) =$

Simplify. Show all of your work.

36. $\frac{5}{9} - \frac{4}{5} =$

37. $\frac{5}{9} \div \frac{4}{5} =$

38. $\frac{1}{4} - \frac{5}{8} =$

39. $-\frac{4}{5} \cdot 30 =$

40. $3\frac{3}{5} \cdot \left(-2\frac{1}{2}\right) =$

41. $-\frac{1}{5} \div (-4) =$

42.
 $\left(-\frac{6}{7}\right)\left(-\frac{2}{3}\right) =$

43.
 $\frac{\frac{2}{3}}{4} =$

44. $3\frac{1}{2} \cdot 3\frac{7}{15} =$

45. $\frac{4}{\frac{1}{2}} =$

46.
 $\frac{2}{9} \div \left(-\frac{2}{3}\right) =$

47.
 $\frac{-2\frac{3}{5}}{1\frac{1}{4}} =$

48. $4\frac{1}{4} \div 8\frac{3}{8} =$