

Name: _____ Period: _____ Date: _____

Practice Test

Unit 5

1. Write the divisibility rule for the following numbers:

2: _____

3: _____

5: _____

9: _____

10: _____

Each number is divisible by which of the following: 2, 3, 5, 9, 10.

2. 20

4. 891

3. 48

5. 117

Convert the following to mixed numbers.

6. $\frac{40}{5}$

7. $\frac{7}{2}$

Convert the following to improper fractions.

8. $-2\frac{2}{9}$

9. 24

10. $7\frac{4}{9}$

Add or Subtract.

11. $\frac{3}{7} + \frac{2}{7}$

12. $4\frac{1}{5} + \frac{7}{10}$

13. $\frac{2}{5} + \frac{3}{4}$

14. $\frac{7}{16} - \frac{3}{8}$

15. $\frac{5}{4} - \frac{5}{6}$

16. $-\frac{5}{6} + \frac{7}{6}$

Multiply or Divide.

17. $\frac{7}{11} \cdot \frac{-3}{2}$

19. $\frac{2}{7} \div \frac{3}{4}$

21. $5\frac{1}{4} \div \frac{7}{2}$

18. $3\frac{2}{5} \cdot \frac{6}{7}$

20. $6 \div \frac{3}{10}$

22. $5\frac{2}{9} \cdot 5\frac{1}{7}$

23. Of the 20 problems assigned for homework, Andrew completed 12 of them.

What fraction of the homework has Andrew finished? _____

What fraction of the homework does Andrew have left to finish? _____

24. You are making cookies that call for $\frac{1}{4}$ cup of shortening. You want to double the batch of cookies. How much shortening will you need to make the two batches of cookies?

25. From January 1 to March 14, Earth completes about $\frac{1}{7}$ of its orbit, while Venus completes about $\frac{1}{4}$ of its orbit. How much more of its orbit does Venus complete than Earth?

26. Sampson bicycled $8\frac{7}{8}$ miles on Friday and $5\frac{1}{4}$ miles on Saturday. How much did he bike total?

27. Burger Barn has $46\frac{2}{3}$ pounds of ground beef. How many $\frac{1}{3}$ pound burgers can be made using all the ground beef?

Mixed Review

28. Round to the nearest tenth: 675.87

29. Round to the nearest hundred: 3,285.51

30. Round to the nearest ten: 211.89

31. Evaluate the expression for $c = 17$: $c + |4 - c|$

32. Evaluate the expression for $a = 3$ and $b = 4$: $3a - 4b$

33. Evaluate the expression for $m = 6$, $n = 3$ and $k = 2$: $\frac{mk}{n} + 5$

34. Simplify: $-6(x + 5)$

35. Simplify: $5x + 6 - 2x - 7$

36. Simplify: $6 + 3(x + 5)$

37. Simplify: $3 + [4 - (6 - 3)]$

38. Simplify: $\frac{20 - (4)(3)}{-6 - -2}$

39. Simplify: $\frac{2 + 3(4)}{3 + -10}$