Name_____

Math 6 Summer Math Packet

Directions: Please show your work and answers on a separate sheet of paper.

Place Value of Whole Numbers

Identify the place value of each underlined digit.

1. 64,253

2. 813,479

Round Whole Numbers

Round each number to the nearest hundred.

3. 8,297

4. 42,631

Compare Whole Numbers

Compare. Write <, >, or =.

5. 512 ▮ 521

6. 417 ▮ 328

Multiples

List the first four multiples of each number.

7. 9

8. 14

Factors

Find all the whole-number factors of each number.

9. 20

10. 121

Exponents

Find each value.

11. 3^4

12. 16^2

Write and Read Decimals

Write each decimal in word form.

13. 6.29

14. 9.834

Simplify Fractions

Write each fraction in simplest form.

15. $\frac{3}{15}$

16. $\frac{8}{12}$

17. $\frac{18}{30}$

18. $\frac{15}{21}$

Write a Mixed Number as an Improper Fraction

Write each mixed number as an improper fraction.

19. $4\frac{2}{5}$

20. $8\frac{5}{6}$

Write Equivalent Fractions

Write three equivalent fractions for each given fraction.

21. $\frac{1}{3}$

22. $\frac{2}{9}$

Compare Fractions

Compare. Write >, <, or =.

23. $\frac{3}{7}$ ▮ $\frac{7}{3}$

24. $\frac{2}{6}$ ▮ $\frac{3}{9}$

Write Fractions as Decimals

Write each fraction as a decimal.

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

26. $\frac{7}{8}$

Write Ratios

Write the ratio.

27. red squares to all squares

28. blue squares to red squares

Whole Number Operations

Add, subtract, multiply, or divide.

29. $\begin{array}{r} 34 \\ + 42 \end{array}$

30. $\begin{array}{r} 28 \\ \times 16 \end{array}$

31. $\begin{array}{r} 545 \\ - 217 \end{array}$

32. $6\overline{)174}$

33. $\begin{array}{r} 317 \\ \times 25 \end{array}$

34. $\begin{array}{r} 245 \\ + 576 \end{array}$

35. $31\overline{)1426}$

36. $\begin{array}{r} 905 \\ - 438 \end{array}$

Decimal Operations

Multiply.

37. 3.27×41

38. 7.4×6.3

Simplify Numerical Expressions

Simplify each expression.

39. $\frac{1}{2}(7 + 9)$

40. $2.6(4)^2$

Evaluate Expressions

Evaluate each expression for the given value of the variable.

41. $2(5 - x)$ for $x = 2.7$

42. $4y^2$ for $y = 3.1$

Solve One-Step Equations

Solve each equation.

43. $t + 4.8 = 7.0$

44. $\frac{h}{3} = 24$

Solve Proportions

Solve for n.

45. $\frac{4}{6} = \frac{n}{15}$

46. $\frac{n}{5} = \frac{21}{15}$

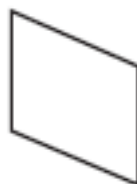## Graph Ordered Pairs

Graph each ordered pair.

47. $A(3, 7)$

48. $B(8, 1)$

Identify Polygons

Tell how many sides and angles each polygon has.

49.

50.