

**Practice Packet #6 (Due Tuesday 12-9-14)**

*Simplify.*

1.  $3542 \div 7$

2.  $625 \div 25$

3.  $\frac{420}{15}$

4.  $\frac{9616}{8}$

5.  $24 \overline{)3000}$

6.  $8 \overline{)4048}$

7.  $(48)(67)$

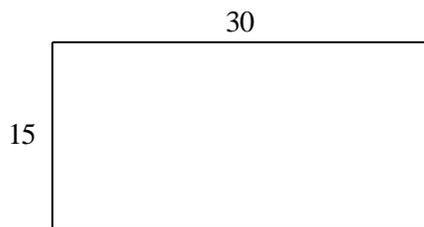
8. What number is  $\frac{2}{7}$  of 70?

9. What is the greatest common factor of 54 and 63?

10. The perimeter of a square is 288 inches. What is the length of one side of the square?

11. What number is halfway between 14 and 66?

12. There were 30 rabbits in the forest. If  $\frac{2}{5}$  of them were brown, how many rabbits were brown?
13. What number is halfway between 38 and 74?
14. What is the quotient when you divide 879 by 17?
15. It costs \$5.15 for a package of 6 rolls of paper towels. What is the cost per roll, rounded to the nearest cent?
16. In the basketball game, Brenda made 6 of her 15 shots. What fraction of her shots did she make?
17. What is the least common multiple of 2, 3, and 4?
18. Of the 19 students in the class, 6 were boys. What was the ratio of boys to girls?
19. Find the greatest common factor of 15, 20, and 30.
20. Find the perimeter of the rectangle. Dimensions are in millimeters.



21. What number is  $\frac{1}{4}$  of 96?
22.  $\frac{60}{84}$ , reduced to lowest terms, equals

23. Write the number that is the third multiple of 6 and the second multiple of 9.

24. The perimeter of a square is 36 in. How long is each side in inches?

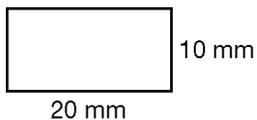
25. Find the reciprocal of 21.

26. Multiply:  $\frac{9}{11} \times \frac{8}{9}$ . Reduce your answer.

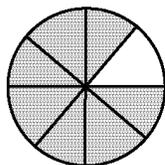
27. The greatest common factor (GCF) of 24 and 18 is

28. What number is  $\frac{2}{8}$  of 56?

29. What is the perimeter of this rectangle in millimeters?



30. In a box was  $\frac{7}{8}$  of a pizza. David took  $\frac{1}{8}$  of the pizza. Then the fraction of the pizza in the box was



31. Find the greatest common factor of 4, 10, and 12.

32. Simplify:  $\frac{40,100}{20}$

33. Simplify:  $\frac{123}{3}$

\_\_\_\_ 34. In a class of 28 students, there are 12 boys. What is the ratio of boys to girls?

a.  $\frac{3}{7}$

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

b.  $\frac{4}{7}$

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

35. What is the price per ounce of a 32-ounce box of cereal priced at \$4.16?

36. At 400 miles per hour, how far can an airplane fly in  $2\frac{1}{2}$  hours?

37. What is the ratio of coyotes to roadrunners in a field with 23 coyotes and 17 roadrunners?

38. The perimeter of a square is 64 cm. Each side is

39. What is the greatest common factor of 24 and 36?

40. There were 6 boys and 16 girls in the class. What was the ratio of boys to girls in the class?

41. The least common multiple (LCM) of 6 and 9 is

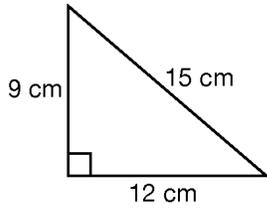
42. Find the reciprocal of  $\frac{4}{7}$ .

43. Find the greatest common factor of 9, 12, and 24.



54. What number is the third multiple of 8 and the fourth multiple of 6?
55. Multiply:  $\frac{5}{9} \times \frac{2}{3}$
56. What is the greatest common factor of 40 and 56?
57. What is the average of 18, 27, 23, and 12?
58. What is the can-bottle ratio in a display that has 8 cans and 12 bottles?
59. On Tuesday, Tom read 15 pages of a book, on Wednesday he read 17 pages, on Thursday he read 13 pages, and on Friday he read 19 pages. What was the average number of pages he read per day?
60. Otis bought 3 sweaters. One cost \$8.93, the second cost \$5.55, and the third cost \$9.37. What was the average cost of the sweaters?
61. Find the least common multiple of 3 and 9.
62. What number is  $\frac{1}{9}$  of 90?
63. Multiply:  $6 \times \frac{1}{2}$ . Reduce your answer.
64. What is the average of 16, 14, 21, and 29?

*Refer to this triangle.*



65. What is the perimeter of the triangle?

\_\_\_ 66.  $7610 \div 25$  equals

a.  $34\frac{2}{5}$

d.  $300\frac{2}{5}$

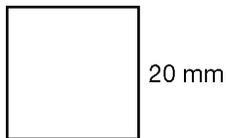
b.  $340\frac{2}{5}$

e. None correct

c.  $304\frac{2}{5}$

67. One-half of  $\frac{3}{4}$  is

68. What is the perimeter of this square in millimeters?



69. What is the dog-cat ratio in a pound that has 5 dogs and 7 cats?

70. If  $\frac{5}{6}$  of a dozen pencils were sharpened, then how many were sharpened?

\_\_\_ 71. A 60-inch square table cloth is centered on a 48-inch square table so that the same length of table cloth hangs over each edge. Which expression shows how to find the number of inches the cloth hangs down from each edge?

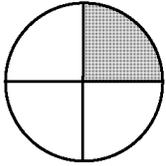
a.  $\frac{1}{2}(60 - 48)$

c.  $\frac{1}{4}(60 + 48)$

b.  $\frac{1}{4}(60 - 48)$

d.  $\frac{1}{2}(60 + 48)$

72. What percent of the circle is shaded?



73. What is the greatest common factor of 30 and 45?

74. A 28-inch ribbon was cut into four equal lengths. How long was each piece of ribbon?

75. If Louis travels 585 miles in 13 hours, what is his average rate of speed in miles per hour?

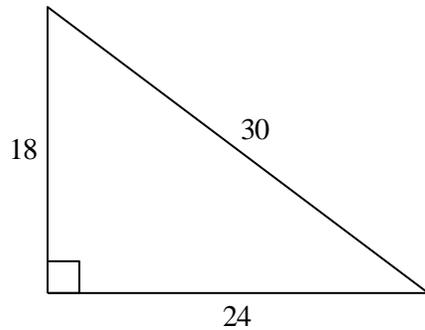
76. What is the average of 15, 21, 22, and 14?

77. How many  $\frac{7}{8}$ 's are in 1?

78. If  $\frac{3}{4} \times \square = 1$ , then  $\square$  equals

79. What is the average of 17, 24, 13, and 14?

80. What is the perimeter of the triangle? Dimensions are in inches.



81. What number is the fifth multiple of 5?

82. How many  $\frac{4}{15}$ 's are in 1?

83. What is the least common multiple of 2 and 3?

84. What number is  $\frac{2}{4}$  of 56?

85. Find the greatest common factor of 10, 20, and 40.

86. Multiply:  $8 \times \frac{4}{7}$ . Write your answer as an improper fraction.

87. The sum of  $\frac{2}{3}$  and  $\frac{2}{3}$  is

88. What is  $\frac{20}{6}$  as a mixed number?

89. The average age of three people is 25. If two of the people are 22, how old is the third person?

\_\_\_\_ 90. A team won 12 of its 18 games and lost the rest. The team's win-loss ratio was

a.  $\frac{2}{1}$

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

c.  $\frac{2}{3}$

d.  $\frac{3}{2}$