Practice Packet #9 (Due: Thursday 2/5/15)

1. The five apricots weighed a total of 1.2 pounds. Each apricot weighed an average of

2. $0.3 \div \sqrt{36}$ equals

3. Write 50% as a decimal number.

Simplify.

4. 0.15×0.3

5. $0.123 \div 3$

6. $0.2 \times 0.3 \times 0.4$

7. $2.8 \div \sqrt{64}$

8. $5\overline{)\,0.14}$

9. $0.45 \div \sqrt{36}$

10. 0.3×0.27

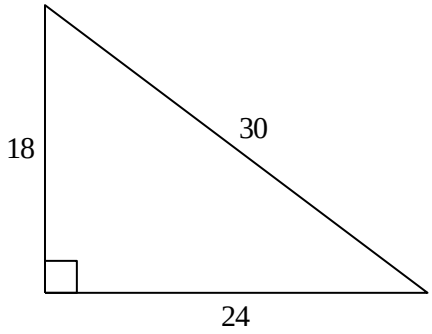
11. If the diameter of a circle is 6 inches, what is its radius?

12. Divide: $5\overline{)\,0.36}$

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

14. The diameter of the bicycle tire is 24 inches. What is the radius of the tire in inches?

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



16. One side of a square is 10 inches long. How many 1-square-inch tiles are needed to cover the area of the square?

17. How much is $\frac{11}{12}$ of four dozen?

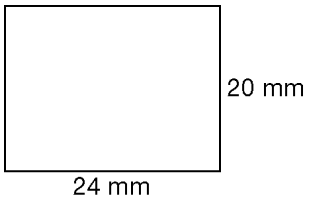
18. Simplify: 0.4^2

19. Solve: $x + \frac{2}{3} = 1\frac{1}{3}$

20. What digit is in the ten millions place in $6,076,464,954$?

21. What is the perimeter, in inches, of a square that has sides 8 inches long?

Refer to the rectangle below:



22. What is the area of the rectangle in square millimeters?

____ 23. Which of these words names the distance across a circle through its center?
a. radius
b. diameter
c. circumference

24. One side of a square is 5 feet long.
(a) What is the perimeter of the square?
(b) What is the area of the square?

25. Which digit in 64,327.891 is in the thousands place?

26. Write 7% as a fraction and as a decimal numeral.

27. There were 75 chipmunks in the forest. If $\frac{2}{5}$ of them were tan, how many chipmunks were tan?

28. If the radius of a circle is 12 inches, what is the diameter?

29. Multiply: 0.39×0.05

30. What is the least common multiple of 2, 3, and 4?

31. If the diameter of a circle is 16 inches, what is its radius, in inches?

____ 32. Which shows six billion, four hundred forty-eight million, five hundred thirty thousand, eight hundred seventy in standard form?

a. 6,448,530,870
b. 6,448,530,780
c. 6,445,830,780
d. 6,445,830,870

33. An item costs $12.95 and the sales tax rate is 8%. What is the total price of the item including sales tax?

34. If the diameter of a circle is 12 inches, what is its radius?

35. If the price of an item is $2.89 and sales tax is 8%, what is the total cost of the item including sales tax?

36. The distance from a student's house to school and back is 3 miles. How far, in miles, does the student live from school?

37. Find the reciprocal of 21.

38. Four-fifths of the 40 answers were correct. How many answers were correct?

39. Find the least common multiple of 3 and 9.

40. 2.5×0.03 equals

41. Multiply: 14×0.2

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

43. Solve: $1 - x = 0.23$

44. Quan ordered a $6.80 meal. The tax rate was 7%. He paid with a $10 bill. How much money should he get back?

45. A shirt regularly priced at $36.00 was on sale for 25% off. What was the sale price?

46. Solve: $7 - n = 4.7$

47. Sixty percent of the 30 students in the class were girls. Write 60% as a reduced fraction. Then find the number of girls in the class.

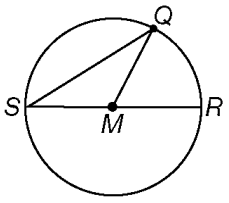
48. What word names the distance across the circle?

49. Solve: $x + 5.3 = 24$

50. Which digit in 987,654,321,000 is in the ten-millions place?

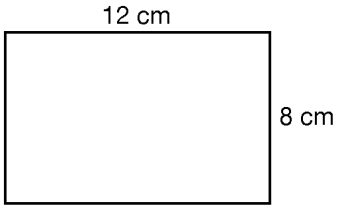
51. Solve: $x + 4\frac{3}{4} = 20$

52. Which segment in the circle below is a diameter?



53. There were 30 rabbits in the forest. If $\frac{2}{5}$ of them were brown, how many rabbits were brown?

54. The area of this rectangle is

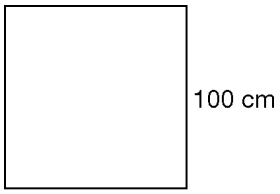


55. The perimeter of a square is 8 feet. What is its area in square feet?

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

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

58. What is the area of this square in square centimeters?



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

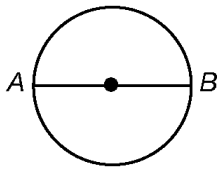
60. Write 75% as a reduced fraction.

61. 0.15×4.2 equals

62. Write 77% as a decimal number.

63. The sales tax rate is 6%. What is the tax on a $15.00 purchase?

64. Segment *AB* in the diagram is a

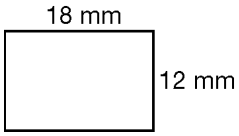


65. The diameter of a big circle is 42 feet. What is the ratio of the circle's radius to its diameter?

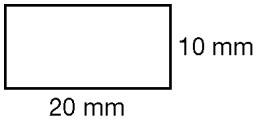
66. The sales tax rate is 9%. Find the total amount paid for a $17.00 item purchased.

67. What is the least common multiple of 4, 6, and 10?

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



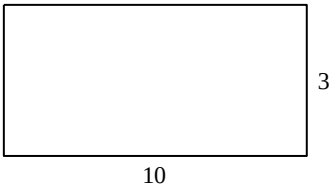
69. What is the perimeter of this rectangle in millimeters?



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

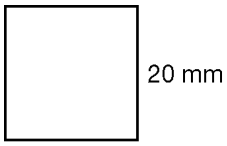
71. Solve: $x - \frac{7}{13} = \frac{10}{13}$

72. Find the area of the rectangle. Dimensions are in centimeters.



73. What is the quotient when the sum of 13 and 11 is divided by the difference of 13 and 11?

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



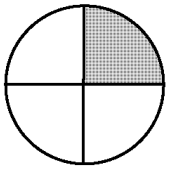
75. Write an equivalent division problem for $9\frac{3}{5} \div 1\frac{1}{5}$.

76. 0.4×0.16 equals

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

78. What number is $\frac{3}{4}$ of 36?

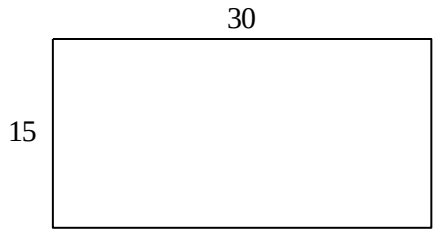
79. What percent of the circle is shaded?



80. Write 12% as a decimal numeral and as a reduced fraction.

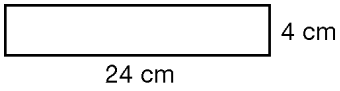
81. What is the difference when the sum of 7 and 8 is subtracted from the product of 10 and 6?

82. Find the perimeter of the rectangle. Dimensions are in millimeters.



83. Divide: $8\overline{)0.104}$

84. How many square centimeters are needed to cover this rectangle?



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

86. The sales tax rate is 8%. How much money is 8% of $16?

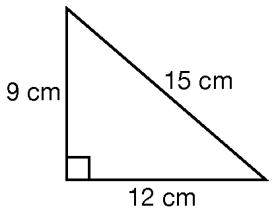
87. What is the difference between the product of 1, 2, and 3 and the sum of 1, 2, and 3?

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

89. Solve: $3.27 + n = 5$

90. If 30% of the 50 dimes in the roll were minted before the year 2000, then how many of the dimes were minted before 2000?

Refer to this triangle.



91. What is the perimeter of the triangle?

92. The sales tax rate was 8%. Benito bought a model train for $8.29. How much was the tax on the train?

93. What is the quotient when the sum of 8 and 4 is divided by the difference of 8 and 4?

94. An $80 pair of shoes is on sale for 25% off the regular price. How much money is 25% of $80?

____ 95. Write an equivalent division problem for $8 \div 4$.

a. $17 \div 11$

b. $12 \div 8$

c. $1\frac{2}{3} \div \frac{2}{3}$

d. $\frac{8}{3} \div \frac{4}{3}$

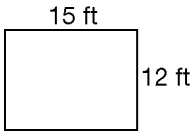
96. How much is $\frac{3}{4}$ of two dozen?

97. Write 80% as a reduced fraction and as a decimal numeral.

98. Write 90% as a reduced fraction.

99. How many square tiles with sides 1 ft long are needed to cover the floor of a 10-ft-by-12-ft room?

100. What is the area of this rectangle in square feet?



101. What is the difference between the product of 9 and 10 and the sum of 9 and 10?

102. If $\frac{3}{4}$ of the 12 pencils were sharpened, then how many pencils were sharpened?

103. What is the product of five thousand twenty and eighty-six?

104. Divide: $5\overline{)4.15}$

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

106. What is the total price of a $24.95 item plus 6% sales tax?

107. Write 75% as a reduced fraction and as a decimal numeral.

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

109. Multiply: 0.81×0.05

____ 110. Instead of dividing 400 by 16, Quan can find the quotient by dividing

a. 400 by 8
b. 100 by 4
c. 200 by 4
d. 800 by 8