

Practice Packet #12 (Due: Thursday 3/5/15)

1. Compare: $\frac{3}{5} \bigcirc \frac{2}{3}$

2. Subtract: $7\frac{3}{7} - 5\frac{4}{7}$

3. If the perimeter of a regular pentagon is 40 inches, how long is each side?

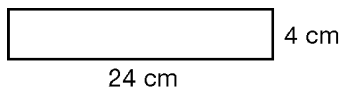
4. Divide: $0.6 \overline{) 3.06}$

5. Some triangles are quadrilaterals.

 A True B False

6. If one side of a regular hexagon is 6 inches, then the perimeter is

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

8. Mentally calculate the product: 0.059×10

9. Each side of a regular hexagon is 12 mm. What is the perimeter of the hexagon in millimeters?

10. Add: $3\frac{1}{3} + 2\frac{1}{9}$

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Simplify.

11. $5 \div 0.4$

12. $0.6 \overline{)9}$

13. $0.45 \div 0.3$

14. $3\frac{3}{5} + 6\frac{1}{2}$

15. $6\frac{1}{3}$
 $\underline{-4\frac{2}{3}}$

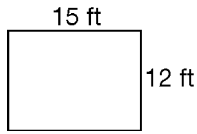
16. $3\frac{3}{4} + 1\frac{5}{8}$

17. $6\frac{2}{3} + 3\frac{3}{4}$

18. $4\frac{1}{2} + 2\frac{3}{4}$

19. $1\frac{2}{3}$
 $\underline{+1\frac{5}{6}}$

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



21. $28 \div 0.7$ equals

22. $1\frac{2}{3} + 2\frac{5}{6}$ equals

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

24. A bag contains 3 red marbles, 4 white marbles, and 5 blue marbles. One marble is drawn from the bag.
(a) What is the probability that the marble will be red?
(b) What is the probability that the marble will not be red?

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

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

27. Add: $\frac{1}{4} + \frac{1}{3}$

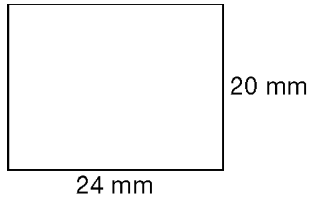
Simplify.

28. $7\frac{1}{4} - 1\frac{3}{4}$

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Refer to the rectangle below:



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

30. Subtract: $\frac{1}{3} - \frac{1}{7}$

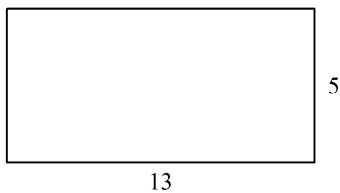
Simplify.

31. 4.5×100

32. 12.34×10

33. $\frac{4}{5} - \frac{1}{4}$

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



35. Subtract: $\frac{3}{4} - \frac{1}{5}$

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36. Add: $2\frac{1}{3} + 1\frac{5}{6}$

37. A card is drawn from a standard deck of 52 cards. Find the probability that the card is either a nine or a red card.

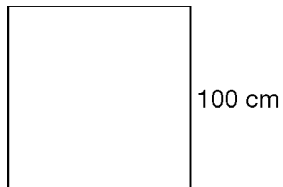
38. One gallon is about 3.78 liters. Ten gallons is about
- | | |
|-------------------------------------|-------------------------------------|
| <input type="radio"/> Ⓐ 0.378 liter | <input type="radio"/> Ⓒ 37.8 liters |
| <input type="radio"/> Ⓑ 3.78 liters | <input type="radio"/> Ⓓ 378 liters |

39. What is the missing measure in the circle? Use 3.14 for π .

Diameter \approx _____

Circumference = 59.1 feet

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

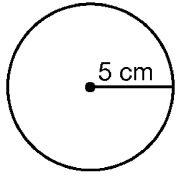


41. If the circumference of a circle is 12π cm, find the diameter, in centimeters.

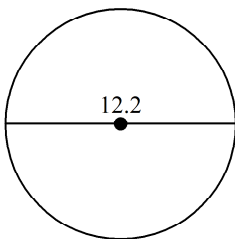
42. What is the name of a five-sided polygon?

43. Multiply: $\frac{0.6}{0.2} \times \frac{100}{100}$

Refer to the circle below to answer the problem(s). (Use 3.14 for π)

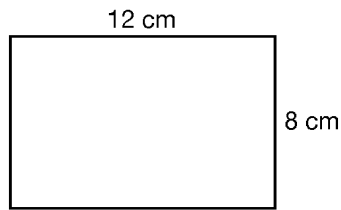


44. What is the circumference of the circle?
45. The perimeter of a square is 8 feet. What is its area in square feet?
46. If the radius of a bicycle tire is 10 inches, what is its circumference? (Use 3.14 for π .)
47. One side of a square is 5 feet long.
(a) What is the perimeter of the square?
(b) What is the area of the square?
48. $3.64 \div 0.7$ equals
49. Find the circumference, in centimeters, of the circle. Dimensions are in centimeters. Use 3.14 for π , and round your answer to the nearest hundredth.



50. What is the name of an eight-sided polygon?

59. The area of this rectangle is



60. Find the missing measure in the circle. Use 3.14 for π . Round to the nearest hundredth, if necessary.

Diameter \approx _____

Circumference = 16.65 feet

61. If the perimeter of a regular pentagon is 10 inches, how long is each side?

62. Divide: $0.33 \div 0.11$

63. Subtract: $\frac{3}{5} - \frac{3}{8}$

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

65. Which fractions are arranged from least to greatest?

Ⓐ $\frac{1}{2}, \frac{1}{3}, \frac{1}{6}$

Ⓒ $\frac{1}{2}, \frac{5}{6}, \frac{2}{3}$

Ⓑ $\frac{1}{6}, \frac{2}{3}, \frac{1}{2}$

Ⓓ $\frac{1}{6}, \frac{1}{2}, \frac{2}{3}$

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

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

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68. Add: $7\frac{1}{4} + 2\frac{5}{12}$

69. Divide: $0.6 \overline{) 4.98}$

70. Mentally calculate the product: 7.1×10

71. 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?

72. One white marble, two red marbles, and three blue marbles are in a bag. If one marble is taken from the bag, what is the probability that it will be blue?

73. What is the perimeter, in inches, of a regular hexagon if each side is 8 inches long?

74. Add: $\frac{1}{3} + \frac{1}{5}$

75. Mentally calculate this product: 12.5×100

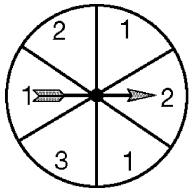
76. Subtract: $5\frac{2}{5} - 3\frac{4}{5}$

77. $\frac{1}{2} + \frac{4}{5}$ equals

78. For the 10K run/walk, Monique ran about $3\frac{3}{4}$ miles and walked about $2\frac{1}{2}$ miles. Altogether, Monique ran and walked about

79. The sales tax rate is 9%. Find the total amount paid for a \$17.00 item purchased.
80. Subtract: $5\frac{1}{5} - 3\frac{3}{5}$
81. Which shows 0.304 in expanded notation?
- Ⓐ $3 \times 10 + 4 \times 1000$ Ⓒ $3 \times \frac{1}{10} + 4 \times \frac{1}{100}$
- Ⓑ $3 \times \frac{1}{10} + 4 \times \frac{1}{1000}$ Ⓓ $3 \times \frac{1}{100} + 4 \times \frac{1}{1000}$
82. How many sides does a quadrilateral have?
83. What is the name of a four-sided polygon?
84. A card is drawn from a standard deck of 52 cards. What is the probability that the card is either a six or a black card?
85. Subtract: $\frac{1}{2} - \frac{2}{5}$
86. In a bag are 8 red marbles and 2 blue marbles. What chance does Gracia have of drawing a blue marble in one try without looking?
87. Add: $1\frac{1}{4} + 2\frac{5}{8}$
88. Add: $\frac{2}{3} + \frac{1}{4}$

89. The face of this spinner is divided into six congruent sectors. The spinner is spun once.



- (a) What is the probability that it will stop on an even number?
(b) What is the probability that it will not stop on an even number?
90. Mentally calculate the product: 0.06×100
91. Subtract: $\frac{3}{4} - \frac{1}{3}$
92. Subtract: $5\frac{3}{5} - 3\frac{4}{5}$
93. A number cube is rolled once.
(a) What is the sample space of the experiment?
(b) What is the probability that the number rolled will be greater than 4?
94. Compare: $\frac{3}{4} \bigcirc \frac{2}{3}$
95. Subtract: $3\frac{1}{7} - 2\frac{2}{7}$
96. Write $9 \times 1 + 5 \times \frac{1}{10} + 7 \times \frac{1}{100}$ as a decimal number.
97. Write 90% as a reduced fraction.

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98. $1.2 \div 0.06$ equals

99. Add: $\frac{3}{5} + \frac{1}{6}$

100. Divide: $\frac{16}{0.2}$

101. $\frac{2}{5} - \frac{1}{3}$ equals

102. $6\frac{1}{3} - 1\frac{2}{3}$ equals

103. 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?

104. Subtract: $6\frac{2}{7} - 5\frac{4}{7}$

105. If the chance of rain is 15%, what is the chance that it will not rain?

106. Subtract: $\frac{2}{3} - \frac{1}{2}$

107. A bag contains 4 red, 6 white, and 5 blue marbles. What is the probability that a marble drawn from the bag will be white?

108. The diameter of a ring is 16 mm. What is the circumference? Use 3.14 for π .

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109. Subtract: $\frac{3}{4} - \frac{2}{9}$

110. Subtract: $\frac{3}{5} - \frac{4}{9}$