

Find the mode or modes for the set of numbers.

1. 5,9,48,3,2,8,41,1,4,16 1) _____

Perform the indicated operation.

2. $(-2)\left(2\frac{1}{18}\right)$ 2) _____

Find the requested area.

3. A rectangular lot has dimensions of $80\frac{1}{2}$ ft. by 118 ft. 3) _____
A rectangular vegetable garden with dimensions
 $11\frac{3}{4}$ ft. by $20\frac{1}{2}$ ft. is fenced off on the lot.
How much of the area is left over?

Solve. Give your answer as a mixed numeral.

4. June wants to work for $14\frac{1}{4}$ hours at her part-time 4) _____
job this week. She has already worked $5\frac{3}{4}$ hours.
How many more hours does she need to work?

Divide. Write a mixed numeral for the answer.

5. $-\frac{556}{10}$ 5) _____

Perform the indicated operation.

6. $\frac{2}{3} + \frac{1}{9}$ 6) _____

Round the number as requested.

7. Round to the nearest tenth: 7.449 7) _____

Solve the equation.

8. $6.2x - 6.1 = 13.74$ 8) _____

Write in decimal notation.

9. $-\frac{882}{1000}$ 9) _____

Simplify.

10. $12(23.6 + 0.185)$ 10) _____

Solve. Give your answer as a mixed numeral if necessary.

11. $\frac{3}{x} = \frac{9}{4}$ 11) _____

Determine whether the two pairs of numbers are proportional.

12. 3, 100 and 27, 90 12)_____

Solve.

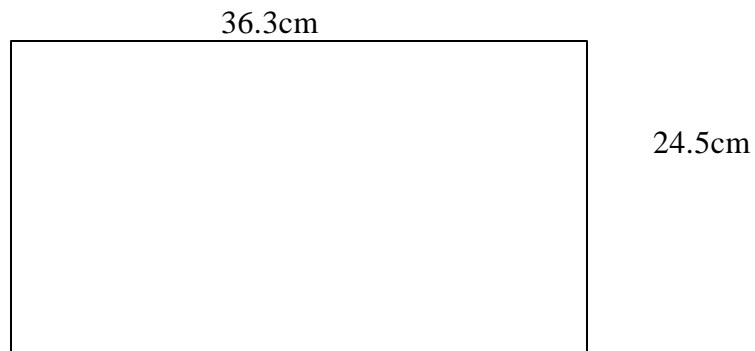
13. $\frac{m}{5.1} = \frac{1.32}{3.06}$ 13)_____

Complete.

14. 4 feet = _____ inches 14)_____

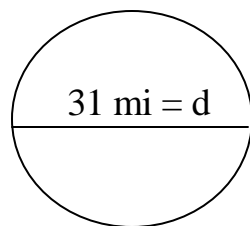
Find the area of the following.

15. 15)_____



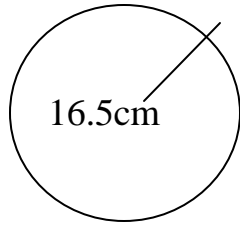
Find the area.

16. Find the area. Use 3.14 for p 16)_____



Find the circumference of the circle.

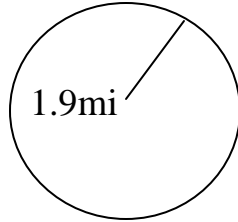
17. Find the circumference. Use 3.14 for π .



17) _____

Find the length of the diameter as indicated.

18. Find the diameter.



18) _____

Complete.

19. 338 mL = _____ L

19) _____

20. 6 cups = _____ ounces

20) _____

Solve the equation.

21. $5x - 2 = 18$

21) _____

22. $4.8x - 5.6 = 10.24$

22) _____

23. $-46.75 = 8.5x + 6.8$

23) _____

24. $2x - 3 = 9$

24) _____

25. $4.4x - 5.8 = 2.12$

25) _____

Write the fraction in decimal notation.

26. $\frac{5}{16}$

26) _____

Find decimal notation.

27. $-\frac{7}{4}$

27) _____

Simplify the ratio.

28. 4 to 6

28) _____

Find percent notation for the number in decimal notation.

29. Out of all math majors at a certain university
0.004 double major in music. 29.) _____

Solve the problem. Round to the nearest unit.

30. 20 children is 2% of what number of children? 30.) _____

Translate to a proportion. Do not solve.

31. 13 is what percent of 14.9? 31.) _____

Find percent notation.

32. 0.002 32.) _____

Find the simple interest.

33. Principal=\$58,600
Rate=7% 33.) _____
Time in years=6

Solve the problem.

34. Find the perimeter of a rectangular farm measuring 7 mi by 12 mi.
34.) _____

Combine like terms.

35. $2x-5x$ 35.) _____

Multiply and simplify.

36. $-\frac{55}{539} \cdot \frac{77}{25}$ 36.) _____

Solve the problem.

37. A computer printer costs \$550. If the sales tax rate is $8\frac{1}{2}\%$,
how much tax is charged and what is the total price?
37.) _____

Solve.

38. $-\frac{1}{7}x = 12$ 38.) _____

39. $\frac{3}{8} \cdot n = \frac{15}{2}$ 39.) _____

Multiply.

40. $\frac{1}{7} \cdot \left[-\frac{1}{2}\right]$

40) _____

41. $(-8)(-4)(3)$

41) _____

Write exponential notation.

42. $8 \cdot 8 \cdot 8 \cdot 8 \cdot 8$

42) _____

Combine like terms.

43. $8.6a + 8.3b - 1.3a - 3.5b$

43) _____

Convert the units.

44. $43.33\text{m} = \underline{\hspace{1cm}} \text{mm}$

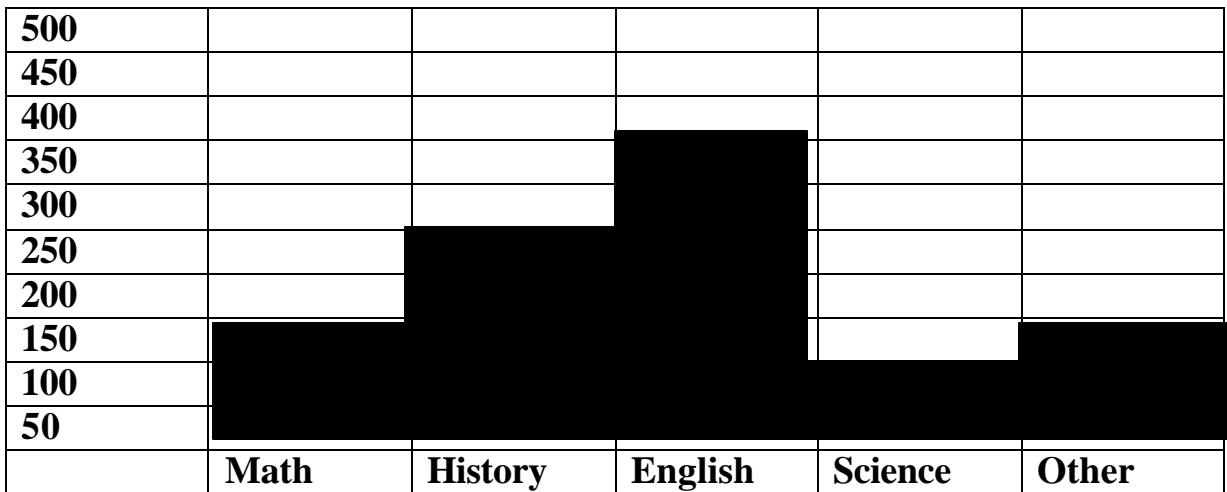
44) _____

Solve the equation.

45. $17.2 + 4.1t = 4.49$

45) _____

The bar graph below shows the number of students by major in the College of Arts and Sciences. Answer the question.



46) How many more students are majoring in math than in science?

46) _____

Complete.

47) $688 \text{ ounces} = \underline{\hspace{1cm}} \text{ pounds}$

47) _____

Evaluate the algebraic expression.

48. $\frac{x-y}{7}$ when $x = 14$ and $y = 28$

48) _____

Perform the indicated operation.

49. $\frac{8}{9} \div \left(-\frac{5}{8}\right)$ 49) _____

50. $-0.6(-11.2)$ 50) _____

51. $6\frac{2}{3} \cdot 2\frac{1}{4}$ 51) _____

Solve the problem.

52. A bag contains 5 red marbles, 7 blue marbles, and 3 green marbles. What is the probability of choosing a blue marble? 52) _____

Find the mean for the set of numbers.

53. 2.9, 7.5, 8.3, 2.8, 4.3, 53) _____

Find the area.

54.  54) _____

Perform the indicated operation, and, if possible, simplify.

55. $-\frac{2}{5} + \frac{13}{15}$ 55) _____

Simplify.

56. $9 \cdot 2^2 + 7(6 - 5) + 6$ 56) _____

Solve.

57. A land developer wants to develop 2 acres of land. 57) _____
Each lot in the development is to be $\frac{1}{7}$ of an acre.
How many lots will the land developer have in the 2 acres?

Find the median for the set of numbers.

58. 2, 10, 15, 24, 36, 45, 50 58) _____

Perform the indicated operation.

59. $9 - (-24)$ 59) _____

Solve the problem.

60. A camera cost \$250. If the sales tax rate is 5%, 60) _____
how much tax is charged, and what is the total charge?

Solve the equation.

61. $a + 1 = 6$ 61) _____

Perform the indicated operation.

62. $15.3 \div (-3)$ 62) _____

63. $91.02 + 4 + 79.96 + 45.674$ 63) _____

Solve the equation.

64. $-\frac{8}{21}y = -\frac{32}{45}$ 64) _____

Solve the problem.

65. Jim drove 270 miles in 6 hours. 65) _____
If he can keep the same pace, how long will it take him to drive 720 miles?

Round the number as requested.

66. Round to the nearest hundredth: 9.5266 66) _____

Solve the problem.

67. Find the perimeter of a rectangular farm measuring 2 mi by 4 mi.
67) _____

Perform the indicated operation.

68. $78 - 0.957$ 68) _____

Find decimal notation for the number in percent notation.

69. At a certain company 78.3% of the employees have engineering degrees.
69) _____

Perform the indicated operation.

70. $-2 \bullet 16$ 70) _____

Solve the problem.

71. A stockbroker bought 5 shares of stock for \$10.25 each. What was the total amount of the purchase?
71) _____

Perform the indicated operation.

72. $17 - 7\frac{3}{5}$ 72) _____

Solve the problem. Round your answers to two decimal places if necessary.

73. What is 45% of 200 courses? 73) _____







Multiply.

74. $3(x+7)$ 74) _____

Use the pictograph to answer the question.

75. For selected countries, this pictograph shows approximately how many kilograms of seafood is consumed by each person(per capita) annually.

75) _____

Per Capita Seafood Consumption	
Country A	
Country B	
Country C	
Country D	
Country E	
	 = 1000 kilograms

What is the approximate seafood consumption in Country E?

- A.) 6000 kilograms
- B.) 4818 kilograms
- C.) 5621 kilograms
- D.) 5018.75 kilograms