

Formulas

1. A car is driving at 65 mph for 2 hours. Determine the distance traveled using $d = rt$.
2. A car is driving at 45 mph for 3 hours. Determine the distance traveled using $d = rt$.
3. A car is traveling at 60 mph for 3.5 hours. Determine the distance traveled using $d = rt$.
4. A car is traveling at 40 mph for 1.5 hours. Determine the distance traveled using $d = rt$.
5. The length of a rectangles is 12 inches and the width is 8 inches. Determine the area of the rectangle using $A = lw$.
6. The length of a rectangles is 15 inches and the width is 6 inches. Determine the area of the rectangle using $A = lw$.
7. The length of a rectangles is 12 inches and the width is 8 inches. Determine the perimeter of the rectangle using $P = 2l + 2w$.
8. The length of a rectangles is 15 inches and the width is 6 inches. Determine the perimeter of the rectangle using $P = 2l + 2w$.
9. \$ 500 is invested at 6% annual interest for 3 years. Determine the amount of interest earned using $I = prt$.
10. \$ 1500 is invested at 8% annual interest for 2 years. Determine the amount of interest earned using $I = prt$.
11. The temperature in the lab measures 20 degrees Celsius, determine the temperature in Fahrenheit using $F = \frac{9}{5}C + 32$.
12. The temperature in the lab measures 25 degrees Celsius, determine the temperature in Fahrenheit using $F = \frac{9}{5}C + 32$.
13. The temperature in Montana measures 50 degrees Fahrenheit, what does it measure in Celsius using $C = \frac{5}{9}(F - 32)$?
14. The temperature in Montana measures 77 degrees Fahrenheit, what does it measure in Celsius using $C = \frac{5}{9}(F - 32)$?

15. The temperature in Nevada measures 95 degrees Fahrenheit, what does it measure in Celsius using

$$C = \frac{5}{9}(F - 32) \quad ?$$

16. The temperature in Nevada measures 104 degrees Fahrenheit, what does it measure in Celsius using

$$C = \frac{5}{9}(F - 32) \quad ?$$

17. The temperature in the lab measures 0 degrees Celsius, what is the temperature in Fahrenheit using

$$F = \frac{9}{5}C + 32 \quad ?$$

18. The temperature in the lab measures 100 degrees Celsius, what is the temperature in Fahrenheit using

$$F = \frac{9}{5}C + 32 \quad ?$$

19. The radius of a circle measures 5 cm, what is the area of the circle using $A = \pi r^2$?

20. The radius of a circle measures 8 inches, what is the area of the circle using $A = \pi r^2$?

21. The radius of a circle measures 12 inches, what is the circumference using $C = 2\pi r$?

22. The radius of a circle measures, 20 feet, what is the circumference using $C = 2\pi r$?

Solve for the indicated variable.

23. $d = rt$ for r

24. $d = rt$ for t

25. $I = prt$ for t

26. $I = prt$ for r

27. $C = 2\pi r$ for π

28. $C = 2\pi r$ for r

29. $P = a + b + c$ for a

30. $P = a + b + c$ for b

31. $P = 2l + 2w$ for l

32. $P = 2l + 2w$ for w

33. $A = \frac{1}{2}bh$ for h

34. $A = \frac{1}{2}bh$ for b

35. $F = \frac{9}{5}C + 32$ for C

36. $P = a + b + c$ for c

37. $C = \frac{5}{9}(F - 32)$ for F

39. $d = rt$ for t

41. $y - x = 2$ for y

43. $y + x = 3$ for y

45. $y + 2x = -8$ for y

47. $y - 5x = -10$ for y

49. $2y - 3x = 12$ for y

51. $x + y = 5$ for y

53. $3x + y = -5$ for y

55. $x - y = 3$ for y

57. $4x - y = 2$ for y

59. $-4x - y = 5$ for y

61. $2x - 3y = 6$ for y

63. $x - 3y = 6$ for y

65. $x + 3y = -12$ for y

67. $4x - 3y = -15$ for y

69. $x + 6y = 24$ for y

71. $-x - 6y = 12$ for y

38. $d = rt$ for r

40. $y - x = 4$ for y

42. $y + x = 6$ for y

44. $y + 3x = -9$ for y

46. $y + 5x = -10$ for y

48. $2y - 4x = -10$ for y

50. $x + y = 3$ for y

52. $2x + y = 5$ for y

54. $x - y = 7$ for y

56. $3x - y = 4$ for y

58. $4x - y = 5$ for y

60. $-2x - y = 10$ for y

62. $2x - 3y = 6$ for y

64. $x + 3y = -9$ for y

66. $4x + 3y = -12$ for y

68. $x + 6y = 18$ for y

70. $-x + 6y = 24$ for y

72. $-x - 8y = -24$ for y