

Independent Training and Apprenticeship Program
Extra Math Problems

Fractions:

1) $1/5 + 1/8 =$

2) $1/8 + 7/6 =$

3) $1/4 + 1/8 =$

4) $1/2 - 1/10 =$

5) $4/5 - 6/9 =$

6) $1/2 - 1/4 =$

7) $5/9 * 2/3 =$

8) $7/8 * 1/5 =$

9) $4/7 \div 4/5 =$

10) $9/12 * 4/16 =$

Decimals:

11) $4.568 + 5.5 =$

12) $0.004 + 1.03 =$

13) $4.569 - 2.0004 =$

14) $103.5 - 98.05 =$

15) $5.6 * 2.4 =$

16) $10.26 * 1.5 =$

17) $0.556 * 12.2 =$

18) $12.986 \div 5.067 =$

19) $5.4 \div 0.864 =$

20) $204.369 \div 10.0023 =$

Exponents:

21) $8^2 =$

22) $2^6 =$

23) $(4a)^3 =$

24) $3^4 + 4^3 =$

25) $7^2 + 5^0 =$

26) $10^2 - 9^2 =$

27) $2^6 - 6^2 =$

28) $5^2 * 5^4 =$

29) $(6^4)^2 =$

30) $2^8 - 2^4 =$

Convert to Scientific Notation

31) 2569.32

32) 0.00456

33) 0.000000091

34) 1234567.89

35) 2486.1793

Convert to Decimal Notation

36) $3.328 * 10^{-3}$

37) $6.426 * 10^2$

38) $9.85641 * 10^4$

39) $4.36145 * 10^{-5}$

40) $4.225 * 10^6$

Algebra

41) $3x + 4 = 22$

42) $4x - 10 = -2$

43) $6t + 14 = 80$

44) $8s + 36 = 100$

45) $2d + 4 = 16$

46) $x = yz$ if $x = 6$ and $y = 2$ find z

47) $x = y/z$ if $x = 10$ and $y = 40$
find z

48) $x = y/z$ if $x = 5$ and $z = 4$ find
 y

49) $6(y + 4) = 3(y + 1)$

50) Solve for Q
 $C = (x + Q)/ts$

Geometry

51) In a right triangle one leg is 12 and the other is 5. Find the hypotenuse

52) If the hypotenuse is 5 and one leg of the triangle is 3, what is the length of the other leg?

53) Find the area of a rectangle that has a width of 6 and height of 2.

54) If the area of the rectangle is 24 and the width of the rectangle is 3 what is the height?

55) What is the volume of a 4 foot square?

56) What is the volume of the rectangle with dimensions 3 x 6 x 12?

57) Find the area of the circle with radius 5.

58) What area of the circle with diameter of 12?

59) What is the volume of the cylinder that has a radius of 6 and height of 4 ft.?

60) Find the volume of the cylinder that is 10 feet tall and 2 feet in diameter