



6. Multiply 1137 by 56

Ans. \_\_\_\_\_

7. Multiply 11.007 by 108.2

Ans. \_\_\_\_\_

8. Divide 1064 by 8

Ans. \_\_\_\_\_

9. Divide 109.86 by 10.3

Ans. \_\_\_\_\_

10. Add the following fractions,  $\frac{1}{4} + \frac{1}{8} + \frac{3}{16} + \frac{1}{2}$

Ans. \_\_\_\_\_

11. Multiply the following fractions  $\frac{3}{7}$  by  $\frac{5}{9}$  by  $\frac{1}{2}$

Ans. \_\_\_\_\_

12. Divide the following fractions  $\frac{1}{4}$  by  $\frac{1}{2}$

Ans. \_\_\_\_\_

13. Divide  $\frac{3}{16}$  by  $\frac{1}{8}$

Ans. \_\_\_\_\_

14. A right angle triangle contains one angle of  $46^\circ$ ; calculate the size of the other small angle.

Ans. \_\_\_\_\_

15. Convert  $\frac{5}{8}$  to its decimal equivalent, round your answer to three decimal places.

Ans. \_\_\_\_\_

16. The number of millimeters in a meter is \_\_\_\_\_

Ans. \_\_\_\_\_

17. One imperial gallon is equal to how many liters \_\_\_\_\_

Ans. \_\_\_\_\_

18. A carpenter cuts three pieces from a 12' length of 2" x 6", the lengths of the pieces are  $33 \frac{3}{8}$ ",  $56 \frac{5}{8}$ " and  $39 \frac{7}{8}$ ". What is left over from the full length, if the saw kerf is  $\frac{1}{8}$ " wide?

Ans. \_\_\_\_\_

19. What is the radius of a circle having a diameter of 1.06 meters? Answer in millimeters

Ans. \_\_\_\_\_

20. What is the circumference of a circle having a diameter of 12 feet?

Ans. \_\_\_\_\_

21. What is the area of a circle having a diameter of 4.5 feet?

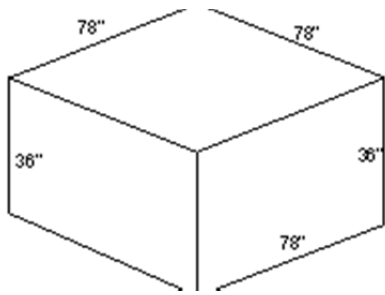
Ans. \_\_\_\_\_

22. What the area of a right angle triangle having a base dimension of 3 feet and a height of 4 feet.

Ans. \_\_\_\_\_

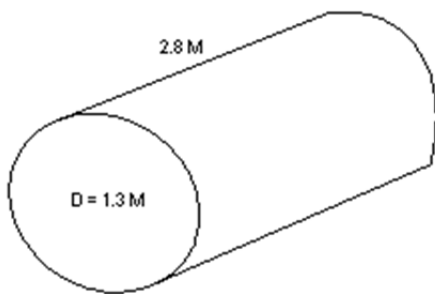
23. Calculate the surface area of this enclosed box. Answer in square inches

Ans. \_\_\_\_\_



24. Calculate the volume of this cylinder. Answer in Cubic metres.

Ans. \_\_\_\_\_



25. What is 12% of 63?

Ans. \_\_\_\_\_

26. 17 is what percent of 26

Ans. \_\_\_\_\_

27. 12.9 is 15% of what number

Ans. \_\_\_\_\_

28. An item sells for \$63.59. What is the total cost for that item after 7% GST and 6% PST have been applied?

Ans. \_\_\_\_\_

29. Find the square of 11.

Ans. \_\_\_\_\_

30. Find the cube of 5.

Ans. \_\_\_\_\_

31. Find the square root of 49.

Ans. \_\_\_\_\_

32. Find the cube root 216.

Ans. \_\_\_\_\_

33. Write 16% as a decimal number and a fraction. (reduce to lowest terms)

Ans. \_\_\_\_\_

34. Convert 1,000,000 to scientific notation.

Ans. \_\_\_\_\_

35. Convert 0.00001 to scientific notation

Ans. \_\_\_\_\_

36. Solve this equation

Ans. \_\_\_\_\_

$$\sqrt{16} + (9 + 16)^2 =$$

# Answer Key

1. 1494
2. 117.651
3. 977
4. 31.56
5. 301
6. 63672
7. 1190.96
8. 133
9. 10.666
10.  $17/16$  or  $1-1/16$
11.  $15/126$  or  $5/42$
12.  $1/2$
13.  $1-1/2$
14. 44 degrees
15. 0.625
16. 1000
17. 4.54
18.  $13\ 3/4$ "
19. 530 mm
20. 37.68 feet
21. 15.9 square feet
22. 6 square feet
23. 23 400
24. 3.718 cubic metres (or if 3.14 is used for  $\Pi$  the answer is closer to 3.715)
25. 7.56
26. 65%
27. 86
28. \$71.86
29. 121
30. 125
31. 7
32. 216
33. 0.16 and  $4/25$
34.  $10^6$
35.  $1^5$
36. 629