SAMPLE EXAMINATION QUESTIONS
PLUMBERS AND PIPE FITTERS LOCAL #447

1.   Add:

$$
\begin{array}{r}
1.29 \\
4521.5 \\
35.246 \\
+ \quad 242.5 \\
\hline
\end{array}
$$

2.   Subtract:

$$
\begin{array}{r}
1642.5 \\
- \quad 142.21 \\
\hline
\end{array}
$$

3.   Multiply:

$$
\begin{array}{r}
42.5 \\
\times \quad .606 \\
\hline
\end{array}
$$

4.   Divide: $2542 \div 64.132 =$

5.   Add:

$$
\begin{array}{r}
5\ 3/4 \\
2\ 1/8 \\
5\ 7/16 \\
13\ 1/2 \\
+ \quad 5\ 1/8 \\
\hline
\end{array}
$$

6.   Subtract:

$$
\begin{array}{r}
8\ 3/4 \\
5\ 7/8 \\
\hline
\end{array}
$$

7.   Multiply: $4\ 2/3 \times 5\ 3/7 \times 3/5 =$

8.   Divide: $5\ 3/4 \div 2\ 1/2 =$

9. Change 5/6 into a percent:

10. Change 112 1/2 % into a decimal:

11. Tom sold 75% of his farm, and the number of acres sold was 150. How many acres were there in the farm before selling?

12. Joe lives 6.4 miles from his work. He drives his car to and from work each day. How far does he drive in a 6-day week?

13. What is the square root of 36?

14. How much is the circumference of a circle whose diameter is 7 feet?

    $C = \pi \, d$ $(\pi = 3.14)$

15. Mr. Franklin is one-third as old as his father. The sum of their ages is 100. How old are each of them?

    Mr. Franklin: _____   His father: _____

16. Solve for x: $-8 + 2 + 2 = 2 - x$::   _____

17. How many feet are in a linear yard?   _____

18. How many square feet are in a square yard?   _____

19. How many cubic feet are in a cubic yard?   _____

There are no calculators allowing during testing.
This sample test is designed to give you and idea
of what kind of questions will be on the exam.
The actual exam is __more__ difficult than the sample test.

Answers: 1. 4800.536, **2.** 1500.29, **3.** 25.75, **4.** 39.63, **5.** 31 15/16, **6.** 2 7/8, **7.** 1596/105 or 76/5 or 15.2, **8.** 2 3/10, **9.** 83.3%, **10.** 1.125, **11.** 200, **12.** 76.8, **13.** 6, **14.** 21.98, **15.** 25 and 75, **16.** 6, **17.** 3, **18.** 9, **19.** 27