Practice Problems

1. $31 + 21 =$

2. $542 - 451 =$

3. $21 + 16 - 12 =$

4. $14 \times 16 =$

5. $72 \div 8 =$

6. Multiply 5 x 8 x 13, & Multiply 8 x 3 x 22, add the two numbers

7. $\frac{1}{8} + \frac{3}{8} =$

8. $\frac{1}{4} + \frac{5}{8} + \frac{11}{16} =$

9. $\frac{15}{16} - \frac{3}{8} =$

10. $1\frac{3}{8} - \frac{5}{8} =$

11. $\frac{5}{8} \times \frac{13}{16} =$

12. $1\frac{15}{16} \times \frac{3}{8} =$

13. $\frac{20}{16} \div \frac{1}{16} =$

14. $\frac{17}{32} \div 1\frac{1}{8} =$

15. $\frac{3}{8} \times \frac{15}{16} =$

16. $\frac{3}{16} \times \frac{24}{16} =$

17. $\frac{2}{32} \times \frac{4}{16} =$

18. $1\frac{3}{16} \times \frac{5}{8} =$

19. $\frac{7}{8} \div \frac{3}{4} =$

20. $\frac{7}{16} \div \frac{7}{32} =$

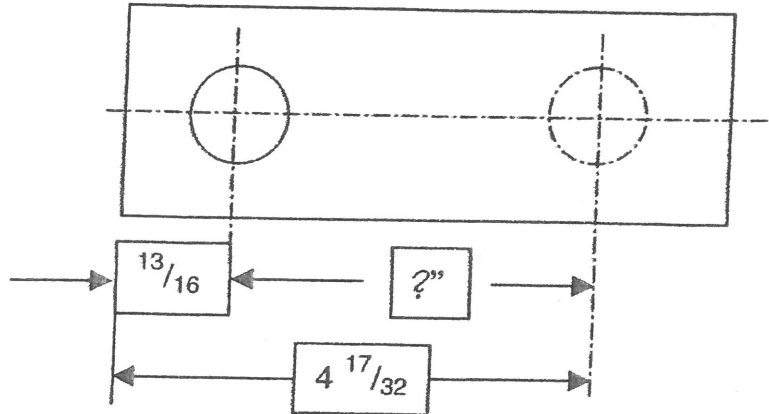21. $\frac{17}{32} \div 1\frac{1}{8} =$

I

Practice Problems

22. How much material will remain after the following pieces have been cut from a piece of hanger strap 24 inches long? $3\,^1/_4$ inch, $5\,^3/_8$ inch, $4\,^1/_2$ inch, $5\,^{11}/_{16}$ inch.

23. Compute the missing dimension on the drawing
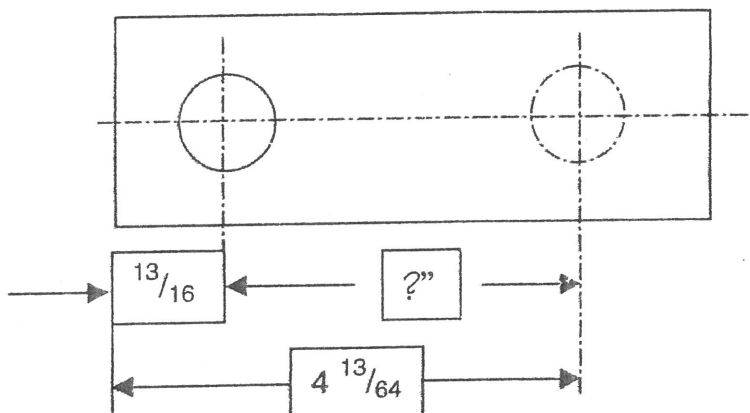
24. Convert 74 inches into feet and inches:

25. Convert $4\,^1/_2$ yards into feet and inches:

26. How many square inches are there in a square foot?

27. Find 7% of $35.00 =

28. Find 1% of $85.00 =

29. Find 11% of $1000.00 =

30. Find 10% of $12.68 =

31. A crew of three sheet metal workers is installing an HVAC duct system having 11,280 pounds of duct. 25% of the job must be completed per week. How many pounds must be installed per week?

32. Convert 64 inches into feet and inches:

33. Convert 8 feet in to inches:

34. Add the three dimensions: 4 foot 6 inches + 2 foot 9 inches + 8 foot 3 inches =

35. Add the three dimensions: 6 foot 8 inches + 12 foot 8 inches + 6 foot 8 inches =

II

Practice Problems

36. Find the total: 20 foot 2 inches + 8 inches - 5 foot 4 inches =

37. Find the total: 16 foot 8 inches + 5 foot 8 inches - 3 foot 5 inches =

38. Compute the missing dimension on the drawing

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│                                               │
└─────────────────────────────────────────────┘
      ┌──────┐           ┌──────┐
  →   │ ¹³/₁₆│  ←     →  │  ?"  │  →
      └──────┘           └──────┘
      ┌───────────────────────────┐
  ←   │      4 ¹⁷/₃₂              │  →
      └───────────────────────────┘
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Practice Problems

1. 52
2. 91
3. 25
4. 224
5. 9
6. 1048
7. $\frac{1}{2}$
8. $1\frac{9}{16}$
9. $\frac{9}{16}$
10. $\frac{3}{4}$
11. $\frac{65}{128}$
12. $\frac{93}{128}$
13. 20
14. $\frac{17}{36}$
15. $\frac{45}{128}$
16. $\frac{9}{32}$
17. $\frac{1}{64}$
18. $\frac{95}{128}$
19. $1\frac{1}{6}$
20. 2
21. $\frac{17}{36}$
22. $5\frac{3}{16}$
23. $3\frac{25}{64}$
24. 6 foot 2 inches
25. 13 foot 6 inches
26. 144 square inches
27. $2.45
28. $0.85
29. $110.00
30. $1.27
31. 2820 lb.
32. 5 foot 4 inches
33. 96 inches
34. 15 foot 6 inches
35. 26 foot 0 inches
36. 15 foot 6 inches
37. 18 foot 11 inches
38. $3\frac{23}{32}$

DIRECTIONS AND PRACTICE PROBLEMS

E	A	B	D				

1	2	3	4	5	6	7	8

READ THE FOLLOWING DIRECTIONS VERY CAREFULLY WHILE THE EXAMINER READS THEM ALOUD

Look at the problems on the right side of this page. You will notice that there are eight of them, numbered from 1 to 8. Notice that the problems go DOWN the page. First look at Problem 1. There are two parts in the upper left-hand corner. Now look at the five figures labelled A,B,C,D,E. You are to decide which figure shows how these parts can fit together. Let us first look at Figure A. You will notice that Figure A does not look like the parts in the upper left-hand corner would look when fitted together. Neither do Figures B,C, or D. Figure E does look like the parts in the upper left-hand corner would look when fitted together, so E is PRINTED in the square above [1] at the top of the page.

Now look at Problem 2. Decide which is the correct answer. As you will notice, Figure A is the correct answer, so A is printed in the square above [2] at the top of the page. The answer to Problem 3 is B, so B is printed in the square above [3] at the top of the page.

In Problem 4, D is the correct answer, so D is printed in the square above [4] at the top of the page.

Now do Problems 5, 6, 7, and 8.

PRINT the letter of the correct answer in the square above the number of the example at the top of the page.