



## Unit 2 SUBTRACTION OF WHOLE NUMBERS

### PRACTICAL PROBLEMS

Subtract the following quantities:

1. 
$$\begin{array}{r} 120 \text{ inches} \\ - 43 \text{ inches} \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 3,469 \text{ square feet} \\ - 983 \text{ square feet} \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 23,122 \\ - 10,069 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 1,473 \text{ pints} \\ - 611 \text{ pints} \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 2,091 \text{ yards} \\ - 993 \text{ yards} \\ \hline \end{array}$$

10. 
$$\begin{array}{r} \$14,254 \\ - 9,676 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 909 \text{ ounces} \\ - 640 \text{ ounces} \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 12,643 \text{ gallons} \\ - 7,123 \text{ gallons} \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 55,864 \text{ board feet} \\ - 34,964 \text{ board feet} \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 1,636 \\ - 703 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 16,298 \text{ kilograms} \\ - 9,696 \text{ kilograms} \\ \hline \end{array}$$

12. 
$$\begin{array}{r} \$25,150 \\ - 11,909 \\ \hline \end{array}$$

**Note:** No allowance is made for the saw kerf.

13. A length of stock 106 inches long is cut from a board 120 inches long. What is the length of the remaining piece?

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14. The supply of plywood in stock is 9,984 square feet. After 6,976 square feet are used, how much is left?

\_\_\_\_\_

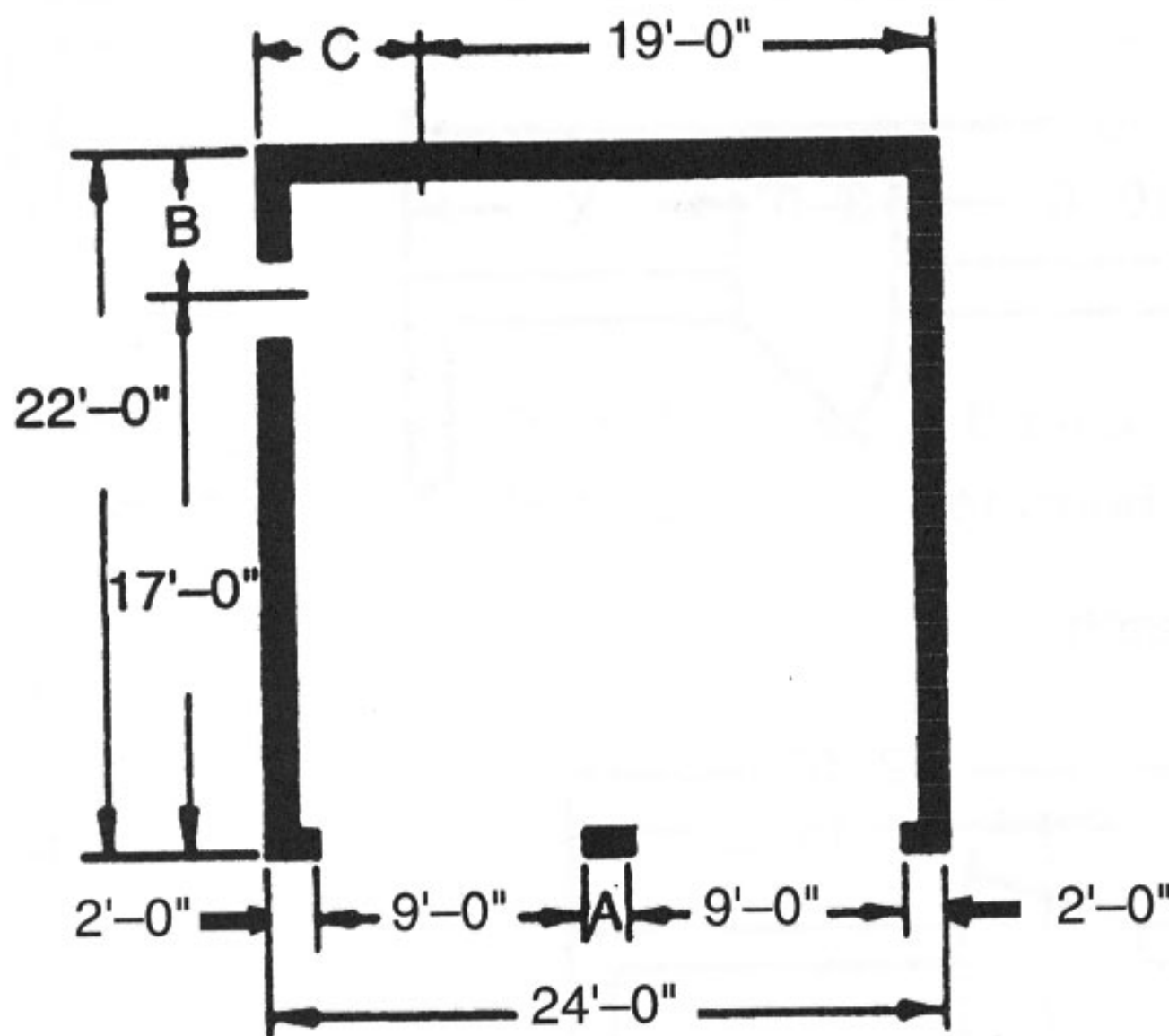
15. From a supply of 7,326 linear feet of baseboard, a total of 4,560 feet is used. How many feet of baseboard remain in the supply?

\_\_\_\_\_

16. The area of a shop floor is 1,650 square feet. How much area remains to be painted after 735 square feet are covered?

\_\_\_\_\_

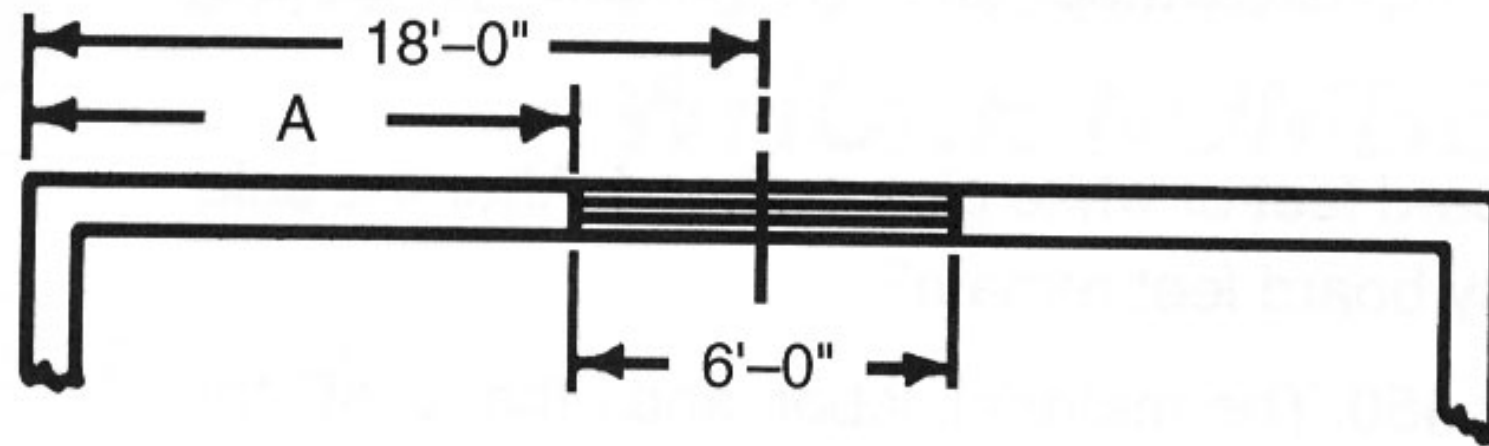
17. The excavator for the foundation of a house must remove 650 cubic yards of earth. How much remains to be excavated after 175 cubic yards are removed? \_\_\_\_\_
18. A lumber dealer has 632,000 board feet of white pine on hand. After the sale of 328,582 board feet, how many board feet remain? \_\_\_\_\_
19. A carpenter builds a deck for \$2,450. The material, labor, and other costs total \$1,935. What is the profit? \_\_\_\_\_
20. A contractor buys 6,000 board feet of oak flooring. One house requires 1,928 board feet and another needs 1,850 board feet. How much flooring is left? \_\_\_\_\_
21. The balance in a contractor's checking account is \$1,176. If \$321 is withdrawn, what is the new balance? \_\_\_\_\_
22. Shown below is the floor plan of a two-car detached garage. What is the width of the wall space A at the front of the garage? \_\_\_\_\_



23. What is the distance from the outside of the rear wall of the garage to the center of the side door opening, dimension B? \_\_\_\_\_
24. What is the length of missing dimension C at the rear of the garage? \_\_\_\_\_

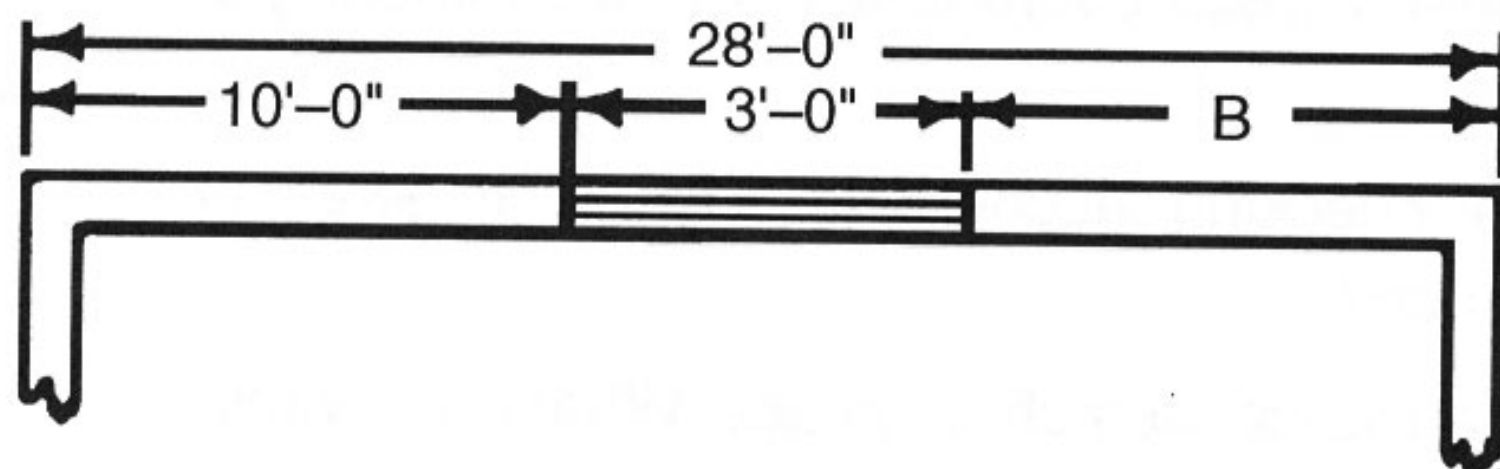
8 Section 1 Whole Numbers

25. Determine missing dimension A in the sketch.



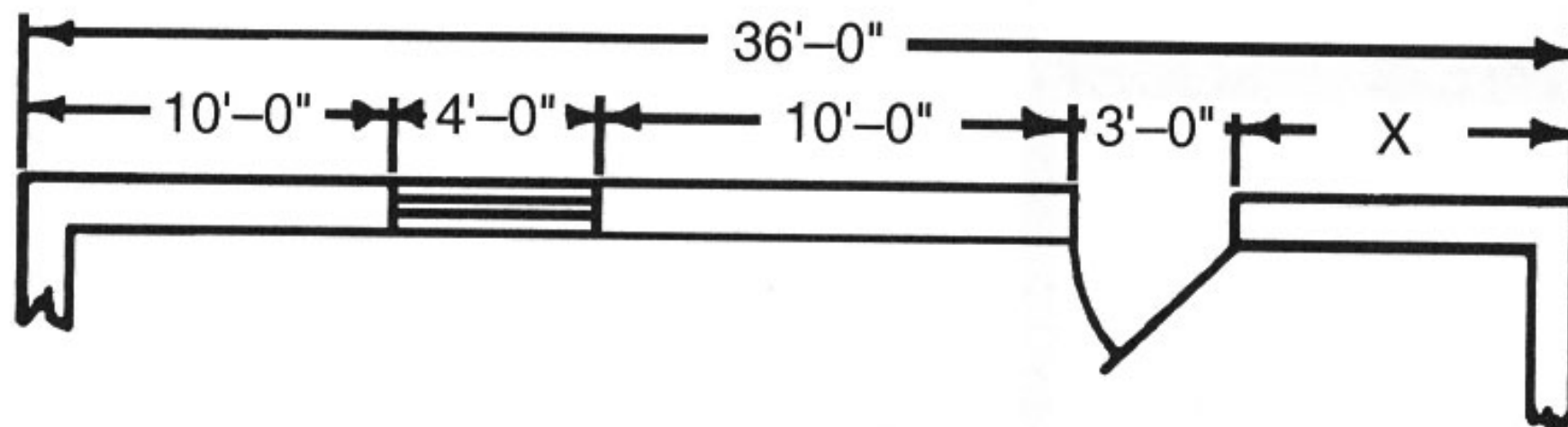
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26. Determine missing dimension B in the sketch.



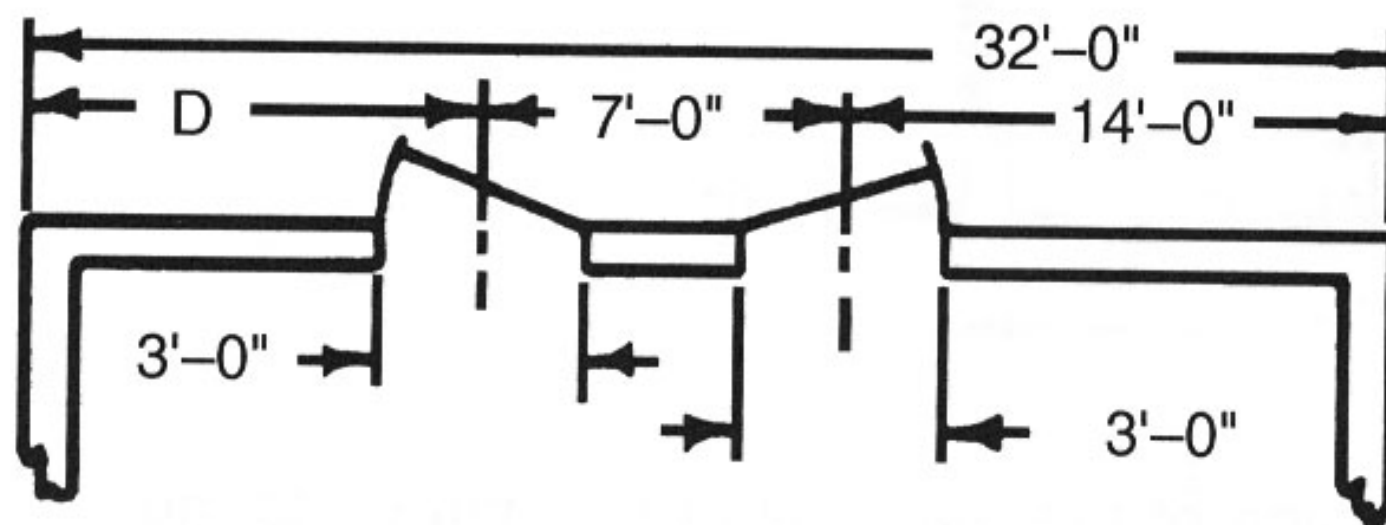
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27. Find missing dimension X in the sketch.



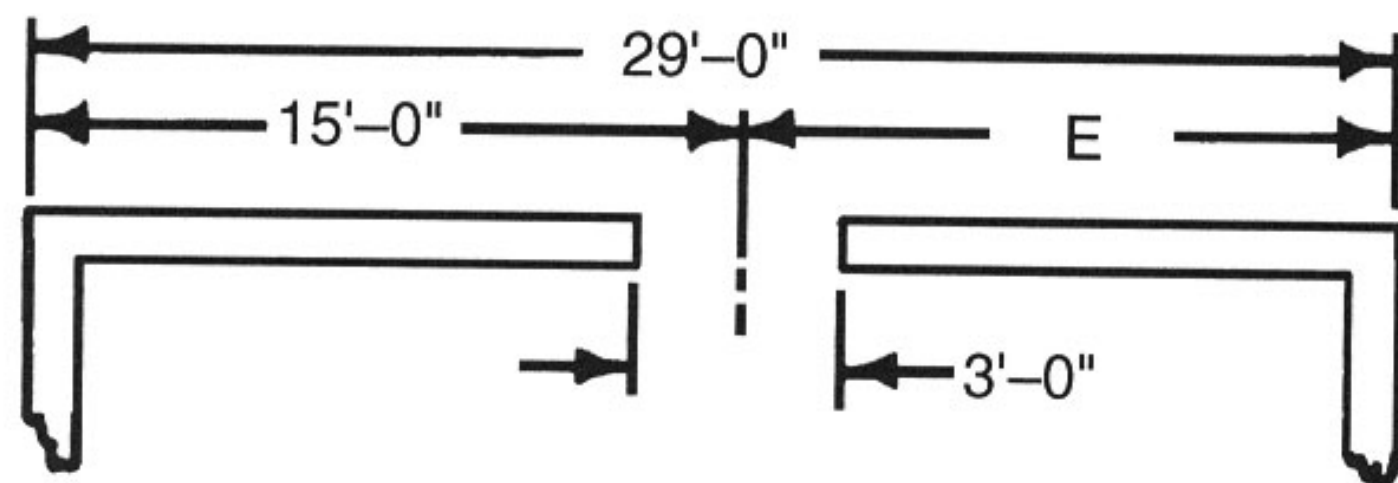
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28. Find missing dimension D in the sketch.



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29. Find the length of missing dimension E in the sketch.



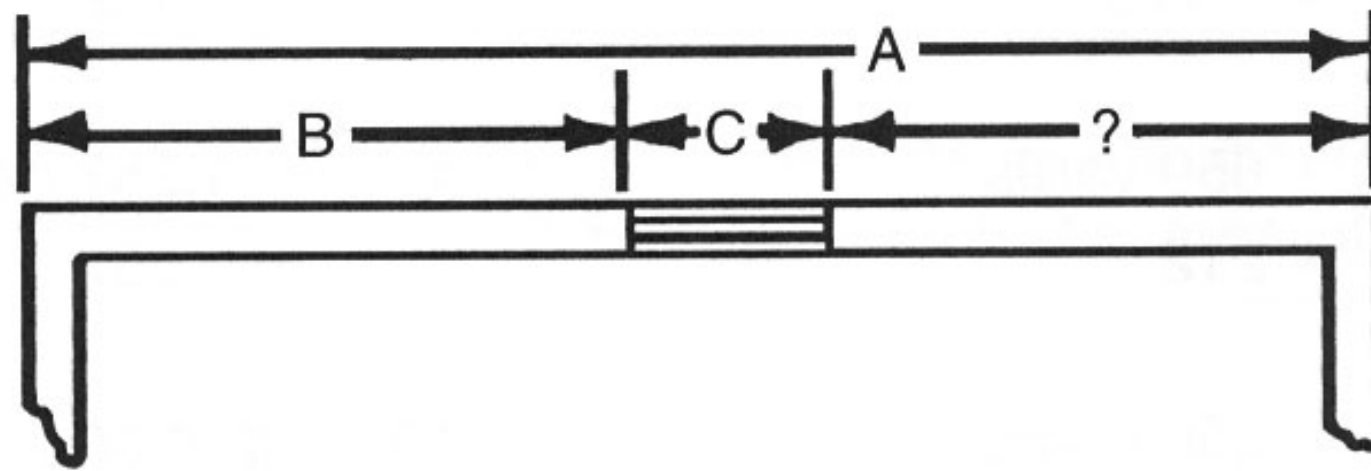
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30. A piece of lumber is 18 feet long. After a piece 4 feet long is sawed off, what length is left? \_\_\_\_\_
31. From an inventory of 1,272 sheets of  $\frac{1}{4}$ -inch plywood, a dealer sold the following numbers of sheets: 15, 73, 87, 121, 53, 22, and 30. How many sheets of plywood are left? \_\_\_\_\_

**Note:** When locating the position of a window in a wall during construction, the distance that the opening is placed from one end of the building is usually given on the plans. In the following problems, find the distance from the window to the *other* end of the building.

**Note:** Use this illustration for problems 32–35.



| Prob. No. | Total Wall Length<br>Distance A | Width of Window<br>Distance C | Distance B from End<br>of Building to Window |
|-----------|---------------------------------|-------------------------------|--|
| 32.       | 32'-0"                          | 3'-0"                         | 8'-0"  |
| 33.       | 16'-0"                          | 3'-0"                         | 5'-0"  |
| 34.       | 30'-0"                          | 4'-0"                         | 12'-0"                                       |
| 35.       | 34'-0"                          | 5'-0"                         | 13'-0"                                       |

32. \_\_\_\_\_
33. \_\_\_\_\_
34. \_\_\_\_\_
35. \_\_\_\_\_