

391

1. 97 is 64% of what number?
2. 73 is what percent of 91.25?
3. What is 64% of 116.25?
4. What is 36% of 114.0625?
5. 51 is 36% of what number?
6. What is 12% of 58.75?
7. 97 is 72% of what number?
8. What is 32% of 331.25?



9. $1.7 \text{ qt} = \underline{\hspace{1cm}} \text{ pt}$

13. $0.5 \text{ tbs} = \underline{\hspace{1cm}} \text{ gal}$

10. $0.6 \text{ ozm} = \underline{\hspace{1cm}} \text{ lbm}$

14. $1.2 \text{ mi} = \underline{\hspace{1cm}} \text{ mi}$

11. $3.4 \text{ ozm} = \underline{\hspace{1cm}} \text{ lbm}$

15. $3 \text{ ozm} = \underline{\hspace{1cm}} \text{ lbm}$

12. $0.7 \text{ lbm} = \underline{\hspace{1cm}} \text{ ozm}$

16. $0.2 \text{ cup} = \underline{\hspace{1cm}} \text{ cup}$

17. $0.028 \text{ DV} = \underline{\hspace{1cm}} \text{ cV}$

21. $0.928 \text{ mV} = \underline{\hspace{1cm}} \text{ dV}$

18. $0.002676 \text{ c}\Omega = \underline{\hspace{1cm}} \text{ k}\Omega$

22. $3680 \text{ dW} = \underline{\hspace{1cm}} \text{ hW}$

19. $0.0292 \text{ DV} = \underline{\hspace{1cm}} \text{ mV}$

23. $0.001163 \text{ V} = \underline{\hspace{1cm}} \text{ cV}$

20. $0.00928 \text{ Dg} = \underline{\hspace{1cm}} \text{ g}$

24. $9.7 \text{ mA} = \underline{\hspace{1cm}} \text{ cA}$

Math Calculations

- 25.** Ether cycle, 1294 (lb/hr) flowrate, outside is 81°F, inside 69°F?
- 26.** Ether cycle, 969 (lb/hr) flowrate, outside is 90°F, inside 55°F?
- 27.** In LA, in May, what is the capacity of a PVL-144?
- 28.** Ammonia, 238°F cycle, 653 (lb/hr) flowrate, outside is 53°F, inside 44°F?
- 29.** In NYC, in March, what is the capacity of a ET-M660260WW?
- 30.** Methyl Alcohol cycle, 961 (lb/hr) flowrate, outside is 51°F, inside 43°F?
- 31.** How many mmBTUs are generated by running a ULT 155 for 7 hours?
- 32.** In NYC, in March, what is the capacity of a STP250S?

Blueprints

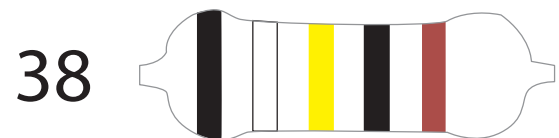
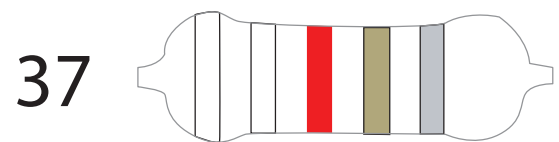
Resistor Codes

33. Shape E, Scale = 15, panel job.

34. Shape H, Scale = 15, tile job.

35. Shape M, Scale = 8, baseboard job.

36. Shape O, Scale = 32, caulking job.



41 total

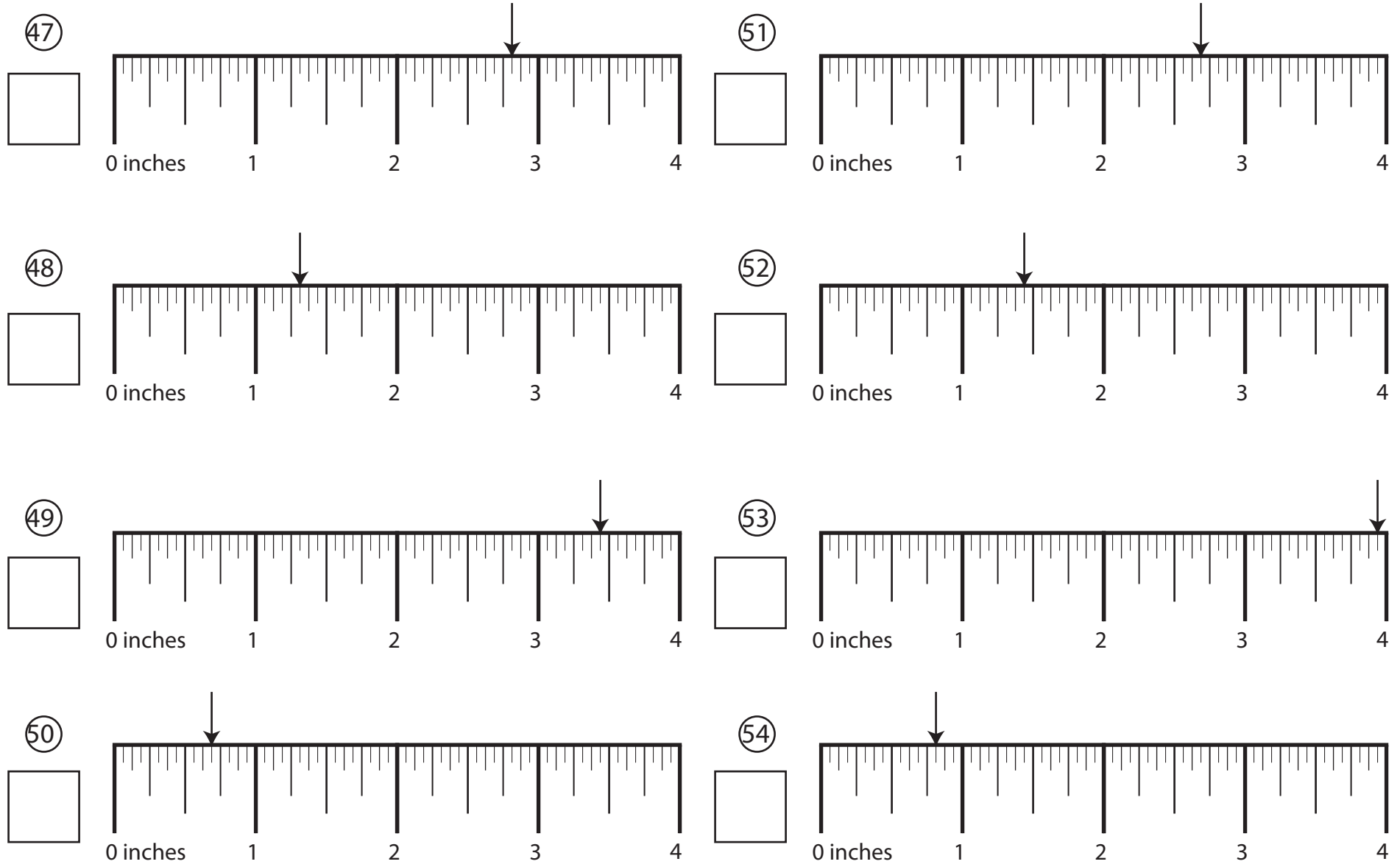
$$42. \quad 9' 4'' + 11' 6'' + 14' 2'' + 15' 7'' + 12' 5'' =$$

$$43. \quad 17' 3'' + 17' 2'' + 8' 6'' + 16' 8'' + 11' 10'' =$$

$$44. \quad 14' 1'' + 13' 11'' + 8' 9'' + 18' 1'' + 16' 7'' =$$

$$45. \quad 16' 10'' + 11' 9'' + 11' 11'' + 13' 4'' + 14' 3'' =$$

$$46. \quad 9' 11'' + 17' 4'' + 14' 3'' + 17' 1'' + 12' 6'' =$$



Nails/Screws

[Remember, # or letter only, except 27/64, 14/32, 29/64]

55. What is $\frac{3}{8}$ less than $5 \frac{1}{4}$?
59. 7 penny nail penetrate a $\frac{5}{8}$ " dry plank?
56. What is $\frac{1}{4}$ more than $4 \frac{1}{4}$?
60. countersink hole for a 7 gauge screw?
57. What is $\frac{1}{8}$ less than $1 \frac{1}{2}$?
61. 2 penny nail penetrate a 1" dry frame?
58. What is $\frac{1}{4}$ more than $1 \frac{1}{4}$?
62. clearance hole for a 4 gauge screw?