

# 398

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1. 7 is 96% of what number?
2. 93 is what percent of 372?
3. What is 48% of 606.25?
4. What is 12% of 1325?
5. 11 is what percent of 55?
6. What is 32% of 135.9375?
7. What is 64% of 2175?
8. 17 is 64% of what number?



9. 2.5 oz = \_\_\_\_\_ cup

13. 4 in = \_\_\_\_\_ mi

10. 2 ft = \_\_\_\_\_ in

14. 4.5 in = \_\_\_\_\_ ft

11. 2 ozm = \_\_\_\_\_ lbm

15. 3.5 lbm = \_\_\_\_\_ ozm

12. 3.1 tsp = \_\_\_\_\_ tbs

16. 4.7 ozm = \_\_\_\_\_ lbm

17.  $4900 \text{ cg} = \underline{\hspace{2cm}} \text{ g}$

21.  $0.001314 \text{ dm} = \underline{\hspace{2cm}} \text{ km}$

18.  $2.5 \text{ Dm} = \underline{\hspace{2cm}} \text{ Dm}$

22.  $33 \text{ dm} = \underline{\hspace{2cm}} \text{ m}$

19.  $3.288 \text{ hV} = \underline{\hspace{2cm}} \text{ hV}$

23.  $0.026 \text{ h}\Omega = \underline{\hspace{2cm}} \text{ c}\Omega$

20.  $4.502 \text{ m}\Omega = \underline{\hspace{2cm}} \text{ c}\Omega$

24.  $750 \text{ m} = \underline{\hspace{2cm}} \text{ dm}$

## Math Calculations

- 25.** In Anchorage, in February, what is the capacity of a HIT Power 235S?
- 29.** In Minneapolis, in October, what is the capacity of a STP250S?
- 26.** Heptane cycle, 618 (lb/hr) flowrate, outside is 85°F, inside 44°F?
- 30.** Room C's Floor, made of Fiber hardboard, if inside is 56°F and outside is 39°F?
- 27.** In LA, in November, what is the capacity of a PLM-225P-60?
- 31.** How many mmBTUs are generated by burning 260 pounds of Tamarack?
- 28.** How many mmBTUs are generated by burning 416 pounds of Cherry?
- 32.** Room A's Ceiling, made of Timber, ash, if inside is 77°F and outside is 77°F?

# Blueprints

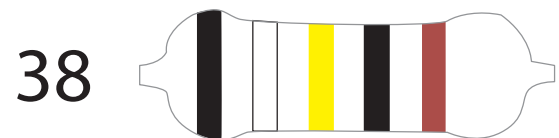
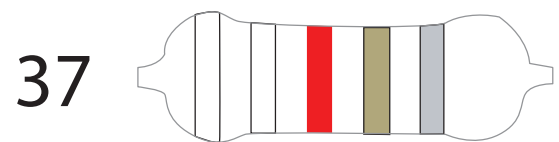
# Resistor Codes

33. Shape B, Scale = 30, panel job.

34. Shape J, Scale = 8, carpet job.

35. Shape M, Scale = 48, carpet job.

36. Shape P, Scale = 24, paint job.



41 total

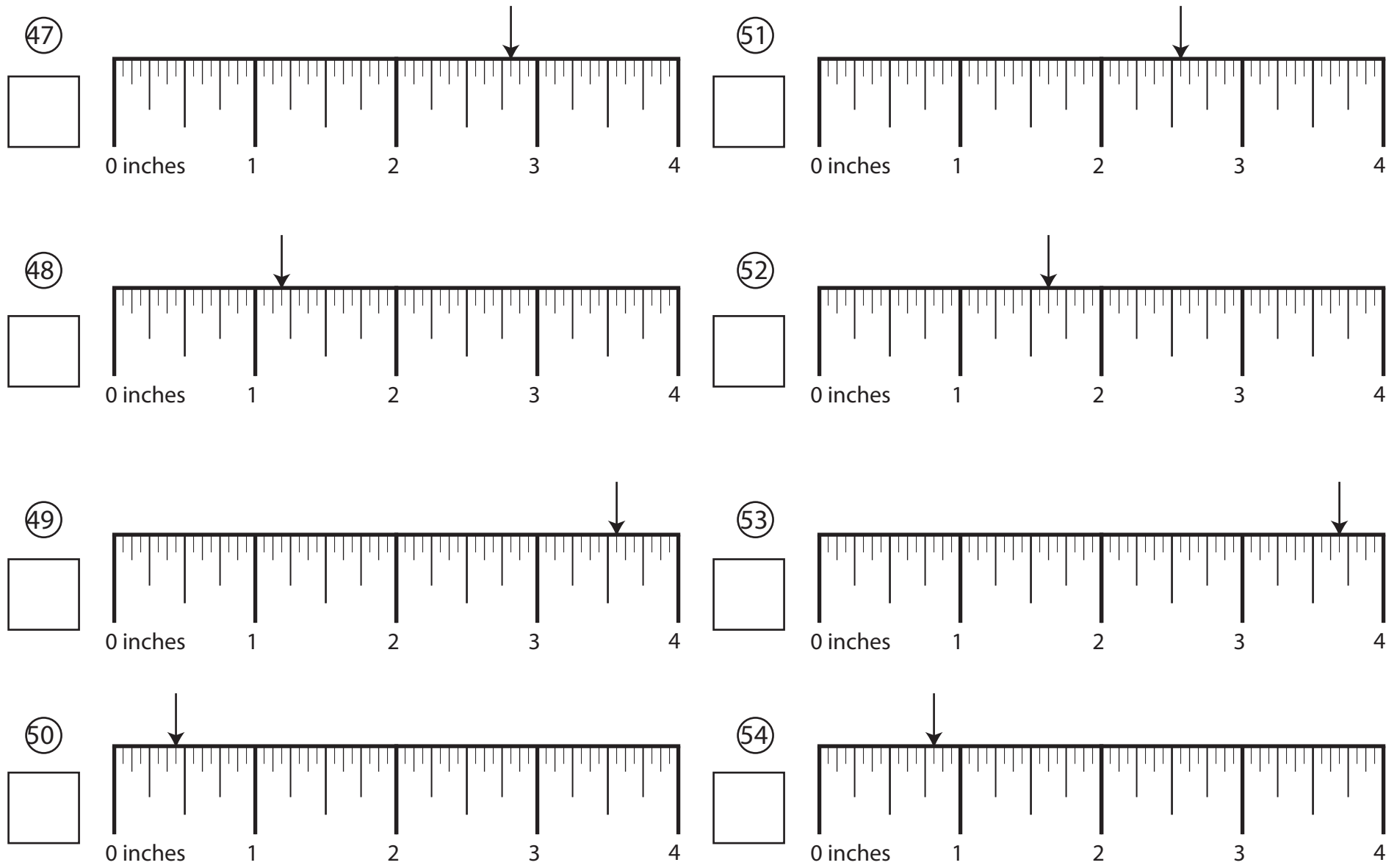
$$42. \quad 15' 9'' + 11' 11'' + 13' 6'' + 16' 7'' + 8' 7'' =$$

$$43. \quad 11' 6'' + 10' 3'' + 11' 2'' + 10' 4'' + 12' 10'' =$$

$$44. \quad 10' 9'' + 11' 6'' + 11' 10'' + 15' 10'' + 15' 11'' =$$

$$45. \quad 14' 10'' + 15' 8'' + 8' 4'' + 16' 9'' + 13' 3'' =$$

$$46. \quad 9' 10'' + 11' 10'' + 18' 5'' + 10' 5'' + 11' 9'' =$$



**Nails/Screws**

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

55. What is  $\frac{1}{4}$  more than  $3 \frac{1}{4}$ ?
59. 9 box gauge nail penetrate a  $1 \frac{1}{2}$ " green dimension?
56. What is  $\frac{1}{2}$  more than  $4 \frac{1}{4}$ ?
60. pilot hole for a 9 gauge screw?
57. What is  $\frac{1}{4}$  less than  $4 \frac{1}{16}$ ?
61. 9 common gauge nail penetrate a 3" dry plank?
58. What is  $\frac{1}{16}$  more than  $3 \frac{1}{2}$ ?
62. pilot hole for a 2 gauge screw?