

388

1. 73 is 32% of what number?
2. What is 96% of 606.25?
3. 71 is what percent of 88.75?
4. 87 is 8% of what number?
5. 53 is what percent of 265?
6. 67 is 12% of what number?
7. 51 is what percent of 318.75?
8. What is 96% of 662.5?



9. $0.6 \text{ ft} = \underline{\hspace{1cm}} \text{ in}$

13. $1.7 \text{ gal} = \underline{\hspace{1cm}} \text{ pt}$

10. $4.9 \text{ tsp} = \underline{\hspace{1cm}} \text{ oz}$

14. $2.6 \text{ in} = \underline{\hspace{1cm}} \text{ yd}$

11. $2.7 \text{ yd} = \underline{\hspace{1cm}} \text{ ft}$

15. $0.2 \text{ ft} = \underline{\hspace{1cm}} \text{ ft}$

12. $3.1 \text{ pt} = \underline{\hspace{1cm}} \text{ gal}$

16. $4.6 \text{ tsp} = \underline{\hspace{1cm}} \text{ gal}$

17. $0.238 \, \Omega = \underline{\hspace{1cm}} \, \text{c}\Omega$

21. $0.276 \, \text{kW} = \underline{\hspace{1cm}} \, \text{mW}$

18. $4.2 \, \text{DL} = \underline{\hspace{1cm}} \, \text{kL}$

22. $47.9 \, \text{km} = \underline{\hspace{1cm}} \, \text{Dm}$

19. $0.387 \, \text{dV} = \underline{\hspace{1cm}} \, \text{dV}$

23. $0.3208 \, \text{mV} = \underline{\hspace{1cm}} \, \text{hV}$

20. $0.0135 \, \text{kL} = \underline{\hspace{1cm}} \, \text{L}$

24. $17 \, \text{mW} = \underline{\hspace{1cm}} \, \text{W}$

Math Calculations

- 25.** How many pounds of CO₂ are released by burning kerosene for 9 weeks in a AB-155H?
- 29.** How many mmBTUs are generated by burning 493 pounds of Apple?
- 26.** In Anchorage, in October, what is the capacity of a PVL-144?
- 30.** In Minneapolis, in May, what is the capacity of a ET-M660260WW?
- 27.** Room A's Wall #3, made of Ground or soil, dry area, if inside is 64°F and outside is 37°F?
- 31.** n-Butane, 32°F cycle, 889 (lb/hr) flowrate, outside is 62°F, inside 70°F?
- 28.** How many pounds of CO₂ are released by burning crude oil (No. 1) for 9 months in a CGa-25?
- 32.** How many mmBTUs are generated by burning 340 pounds of Hickory?

Blueprints

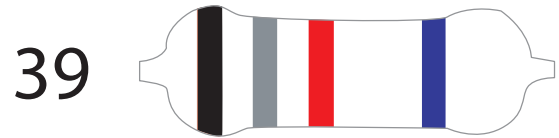
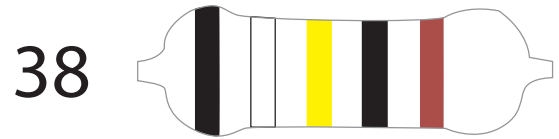
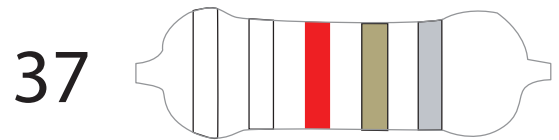
Resistor Codes

33. Shape D, Scale = 50, baseboard job.

34. Shape I, Scale = 15, molding job.

35. Shape M, Scale = 36, baseboard job.

36. Shape P, Scale = 15, wire job.



41 total

42. $14' 6'' + 17' 6'' + 17' 4'' + 11' 2'' + 14' 10'' =$

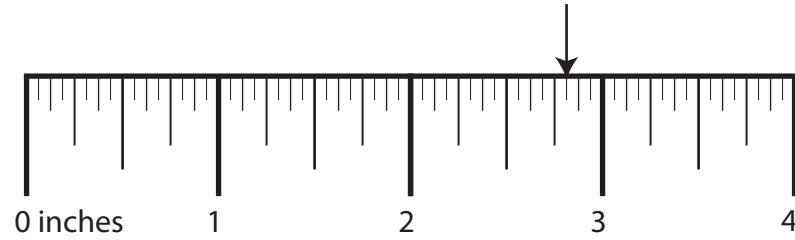
43. $12' 8'' + 13' 2'' + 13' 6'' + 14' 1'' + 11' 6'' =$

44. $11' 9'' + 11' 4'' + 16' 10'' + 8' 10'' + 8' 1'' =$

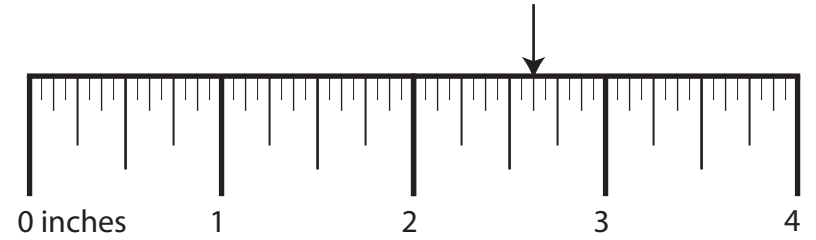
45. $14' 11'' + 11' 11'' + 12' 8'' + 11' 8'' + 15' 2'' =$

46. $15' 8'' + 15' 9'' + 18' 3'' + 18' 7'' + 14' 7'' =$

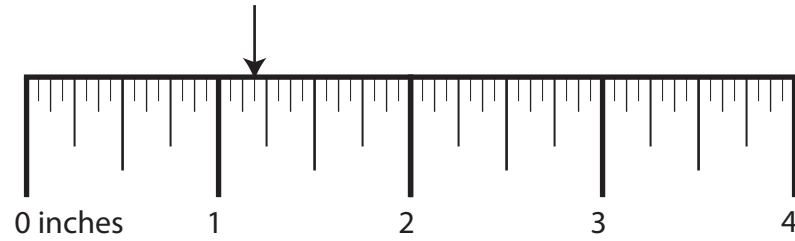
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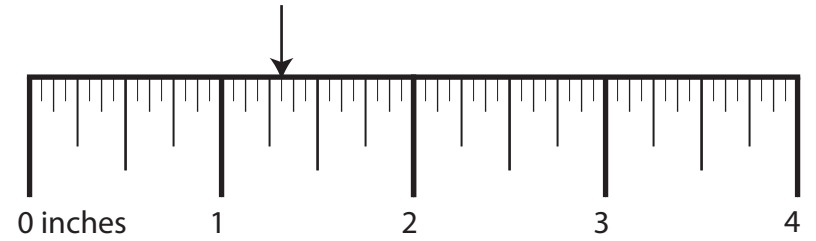
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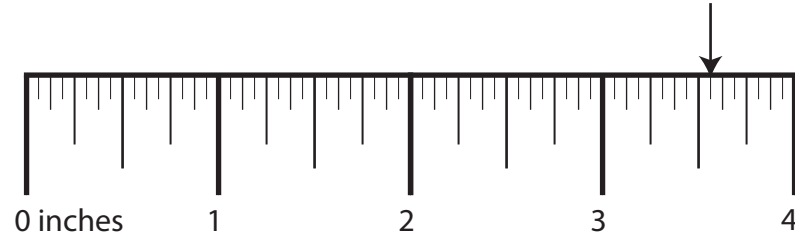
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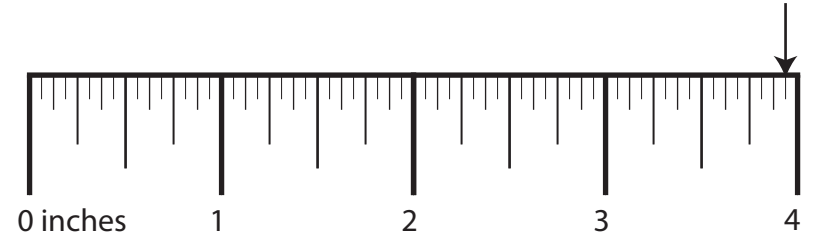
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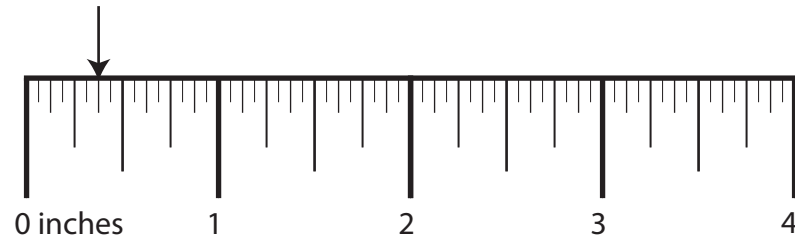
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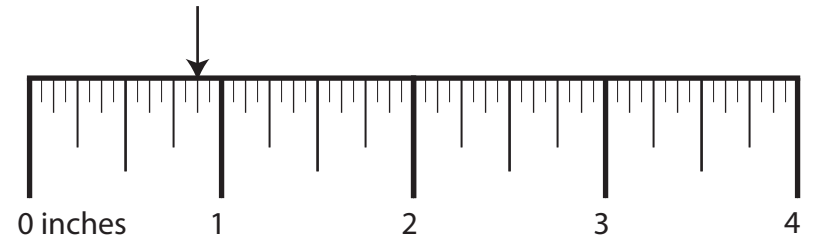
53



50



54



Nails/Screws

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

55. What is $\frac{3}{16}$ less than $1 \frac{5}{16}$?
59. 9 box gauge nail penetrate a $4 \frac{1}{2}$ " dry rafter?
56. What is $\frac{3}{16}$ less than $4 \frac{3}{16}$?
60. countersink hole for a 9 gauge screw?
57. What is $\frac{1}{8}$ more than $3 \frac{1}{4}$?
61. 5 penny nail penetrate a $3 \frac{1}{2}$ " green frame?
58. What is $\frac{5}{16}$ less than $5 \frac{1}{16}$?
62. pilot hole for a 14 gauge screw?