Section I – +/– Feet & Inches 106

1. 18' 11'' - 10' 9'' = 5. 15' 10'' + 9' 6'' =

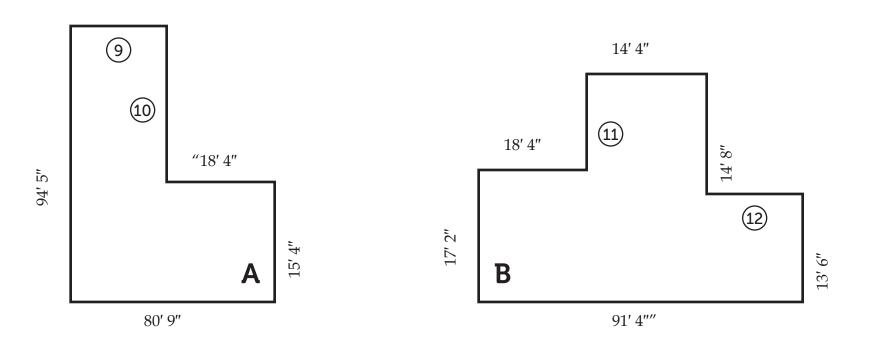
2. 9' 3'' - 4' 6'' = 6. 16' 3'' + 8' 6'' =

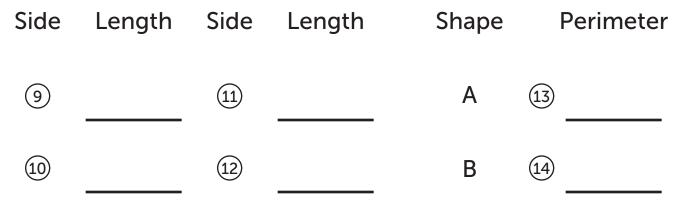
3. 17' 3" + 12' 5" = 7. 18' 11" - 6' 6" =

4. 11'2'' - 2'1'' = 8. 15'2'' - 9'4'' =

Trades Math Midterm DRAWING IS NOT TO SCALE

106

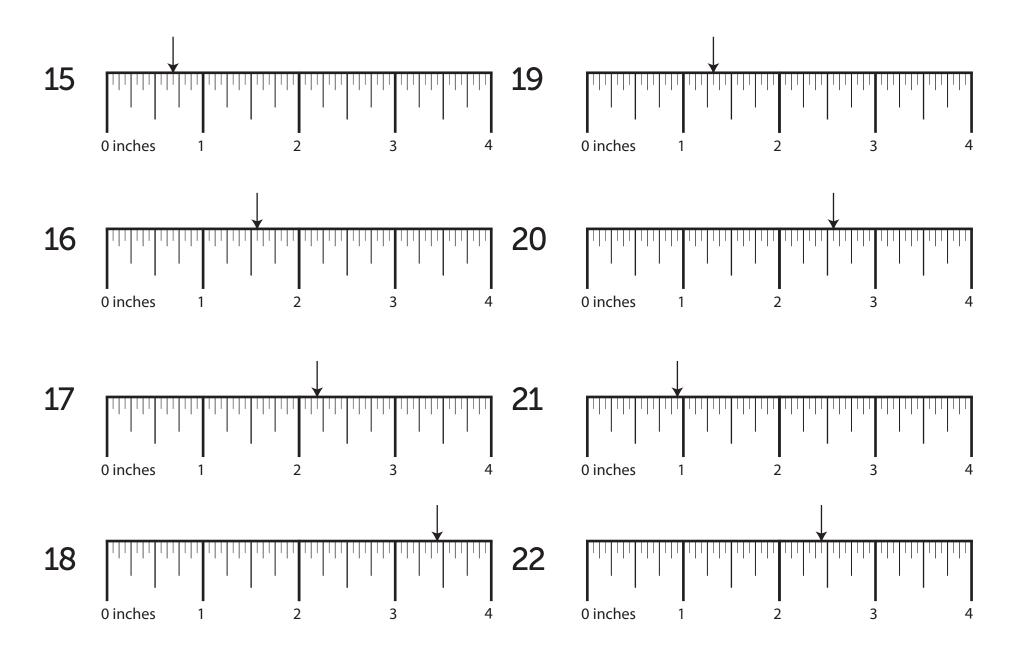




Trades Math Midterm

NAN 108-23

Drawing Is Not To Scale Section III – Ruler Measurements



Section IV – More/Less Than 106

23. What is $\frac{1}{8}$ more than 5 $\frac{1}{4}$? 27. What is $\frac{3}{16}$ less than 1 $\frac{1}{4}$?

24. What is $\frac{1}{8}$ less than 5 $\frac{3}{16}$? 28. What is $\frac{5}{16}$ less than 4 $\frac{1}{16}$?

25. What is $\frac{1}{8}$ more than 3 $\frac{1}{4}$? 29. What is $\frac{5}{16}$ less than 3 $\frac{3}{8}$?

26. What is $\frac{5}{16}$ less than 5 $\frac{1}{2}$? 30. What is $\frac{1}{4}$ more than 4 $\frac{1}{8}$?

Section V — Nail Penetration & Screw Hole Bits

How far will a	,
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- What size drill bit will you need to drill a ...
- **31**. $10\frac{1}{2}$ box gauge nail penetrate a $1\frac{1}{2}$ " green joist?
- **35**. countersink hole for a 24 gauge screw?

- **32**. 11 ¹/₂ box gauge nail penetrate a 4" green mast?
- **36**. clearance hole for a 2 gauge screw?

33. 2 penny nail penetrate a 4 ¹/₂" green girder? **37**. pilot hole for a 20 gauge screw?

- **34**. 9 box gauge nail penetrate a $\frac{1}{2}$ " dry frame?
- **38**. clearance hole for a 6 gauge screw?