Section I — +/− Feet & Inches

4 1 7

1. $18' \ 6'' - 10' \ 3'' =$

2. $17' \ 10'' - 7' \ 9'' =$

3. $13' \ 2'' + 12' \ 2'' =$

4. $10' \ 2'' - 7' \ 11'' =$

5. $11' \ 9'' - 3' \ 10'' =$

6. $12' \ 2'' - 10' \ 4'' =$

7. $13' \ 7'' - 8' \ 1'' =$

8. $14' \ 6'' - 6' \ 7'' =$

4 1 7

A

9

10

"16' 4"

65' 5"

18' 7"

108' 6"

B

14' 11"

13' 2"

11

11' 5"

12

10' 9"

8' 11"

104' 4""
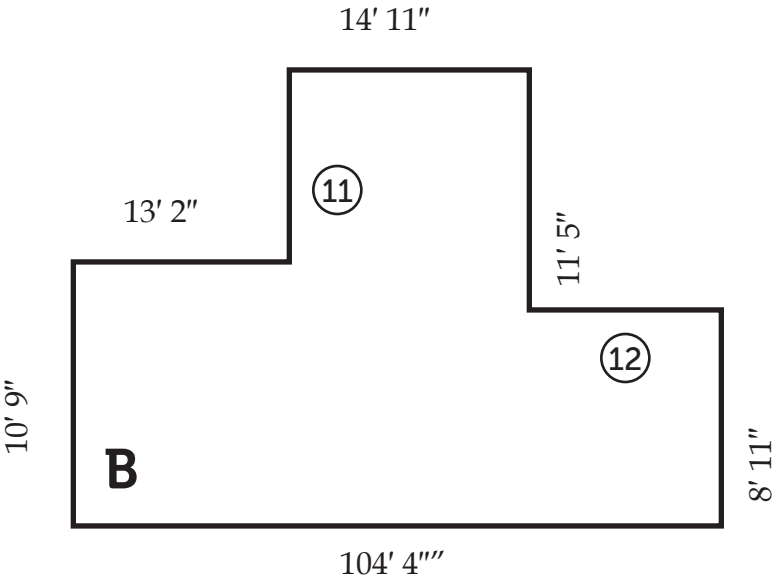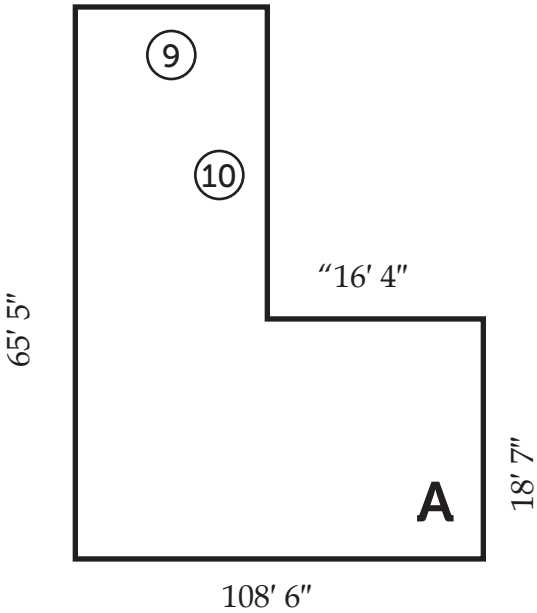
Side	Length	Side	Length	Shape	Perimeter	
9	___	11	___	A	13	___
10	___	12	___	B	14	___

Drawing Is Not To Scale
Section III — Ruler Measurements

15

0 inches   1   2   3   4

16

0 inches   1   2   3   4

17

0 inches   1   2   3   4

18

0 inches   1   2   3   4

19

0 inches   1   2   3   4

20

0 inches   1   2   3   4

21

0 inches   1   2   3   4

22

0 inches   1   2   3   4
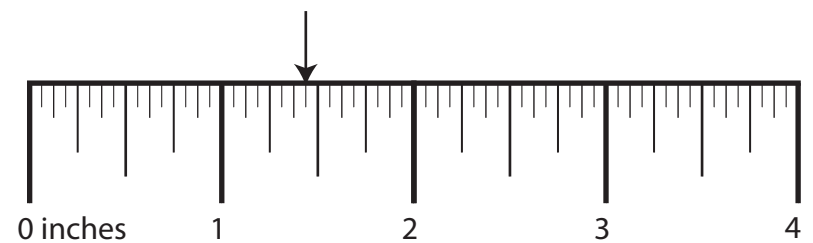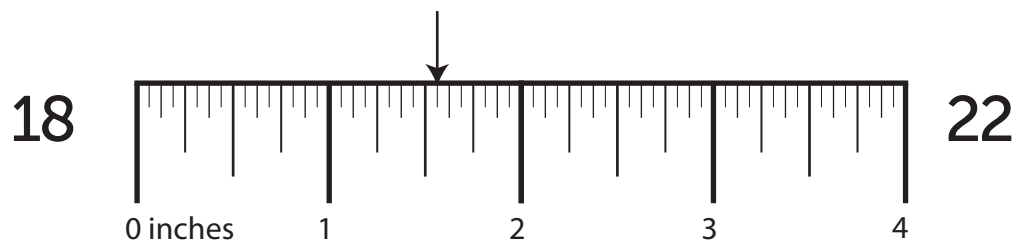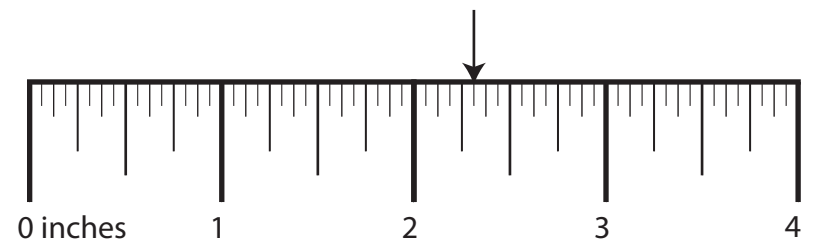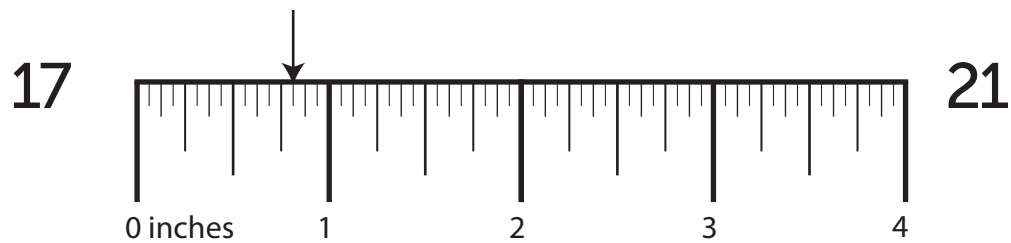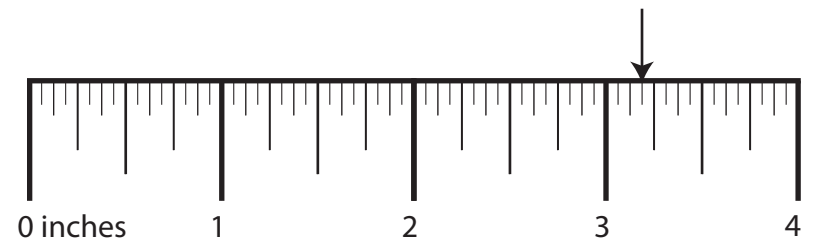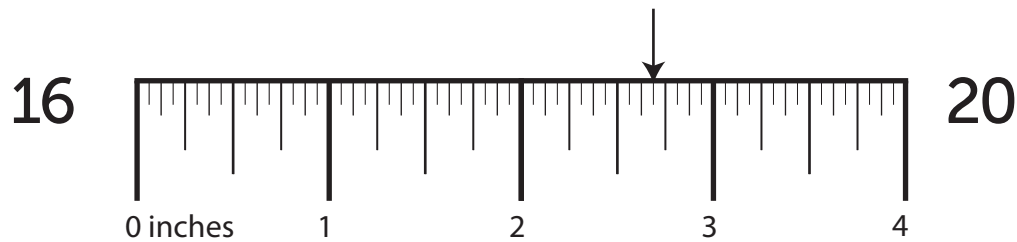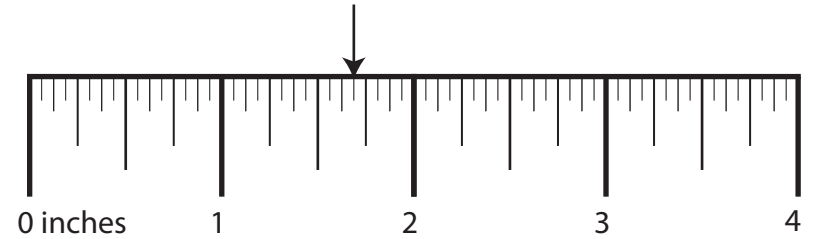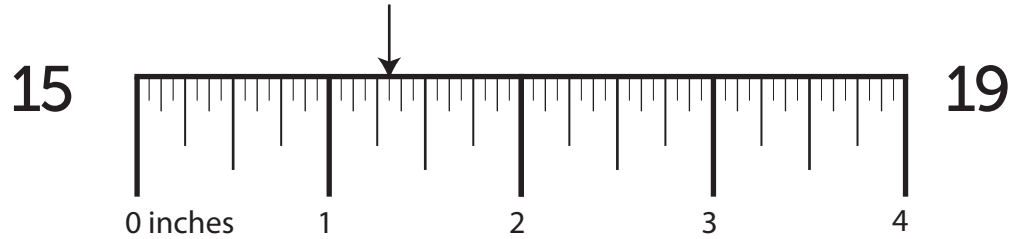
Section IV — More/Less Than

4 1 7

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23.   What is ¼ more than 4 ¼?

24.   What is ¼ less than 3 ⅛?

25.   What is ⅛ less than 5 ¼?

26.   What is ¼ more than 5 ⁵⁄₁₆?

27.   What is ½ less than 5 ³⁄₁₆?

28.   What is ⁵⁄₁₆ less than 1 ¼?

29.   What is ⅜ more than 4 ¼?

30.   What is ½ less than 2 ⅛?

Section V — Nail Penetration & Screw Hole Bits

How far will a ...

31. 10 ½ box gauge nail penetrate a 4 ½″ green beam?

32. 8 box gauge nail penetrate a 5/8″ dry timber?

33. 16 penny nail penetrate a 2 ½″ dry dimension?

34. 15 ½ box gauge nail penetrate a 3″ dry mast?

What size drill bit will you need to drill a ...

35. pilot hole for a 11 gauge screw?

36. countersink hole for a 7 gauge screw?

37. clearance hole for a 10 gauge screw?

38. countersink hole for a 8 gauge screw?