Section I — +/− Feet & Inches

2 1 8

1. 11′ 5″ − 8′ 7″ =

5. 18′ 7″ − 7′ 1″ =

2. 9′ 8″ + 12′ 6″ =

6. 9′ 9″ + 8′ 5″ =

3. 14′ 8″ + 18′ 3″ =

7. 17′ 7″ + 17′ 4″ =

4. 16′ 1″ + 8′ 1″ =

8. 14′ 4″ + 8′ 2″ =

DRAWING IS NOT TO SCALE

⑨

⑩

8′ 9″

71′ 1″

14′ 10″

A

104′ 7″

10′ 7″

14′ 7″   ⑪

⑫

12′ 3″

11′ 5″

B

11′ 5″

66′ 8″
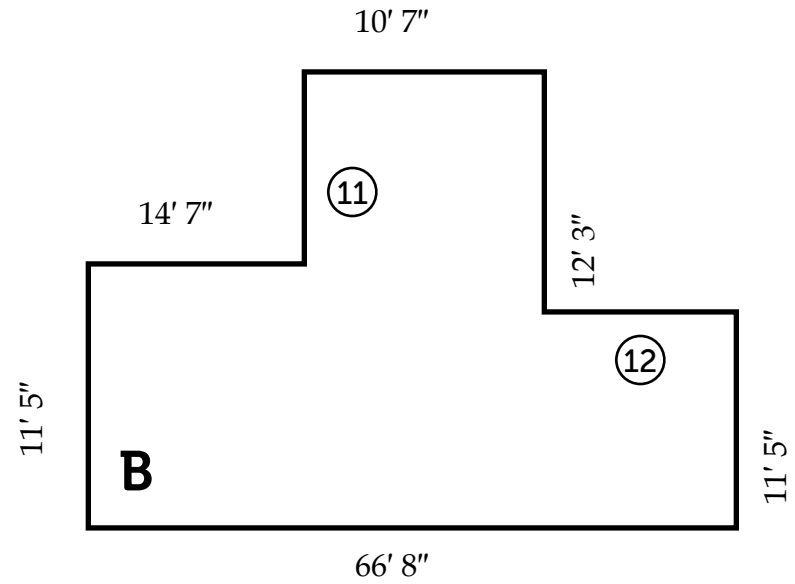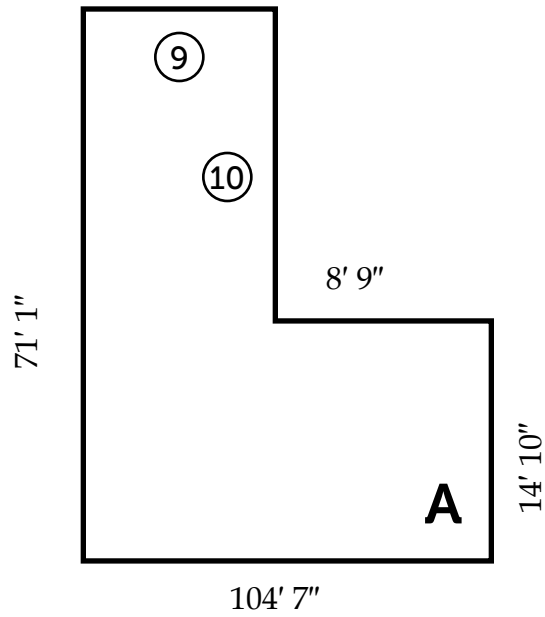
Side	Length	Side	Length	Shape	Perimeter
⑨	_____	⑪	_____	A	⑬ _____
⑩	_____	⑫	_____	B	⑭ _____

DRAWING IS NOT TO SCALE

Section III — Ruler Measurements

15

0 inches   1   2   3   4

19

0 inches   1   2   3   4

16

0 inches   1   2   3   4

20

0 inches   1   2   3   4

17

0 inches   1   2   3   4

21

0 inches   1   2   3   4

18

0 inches   1   2   3   4

22

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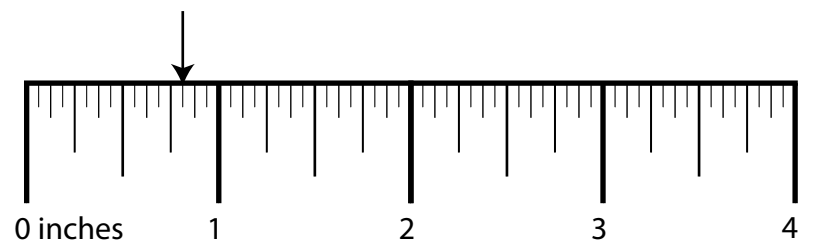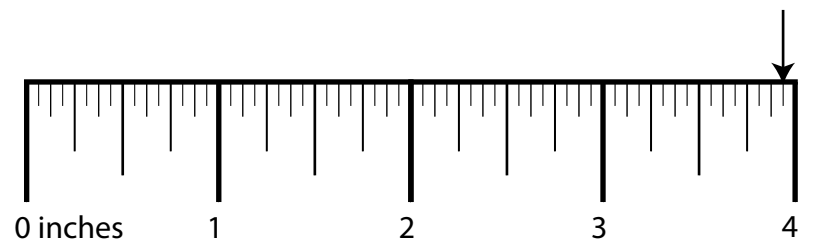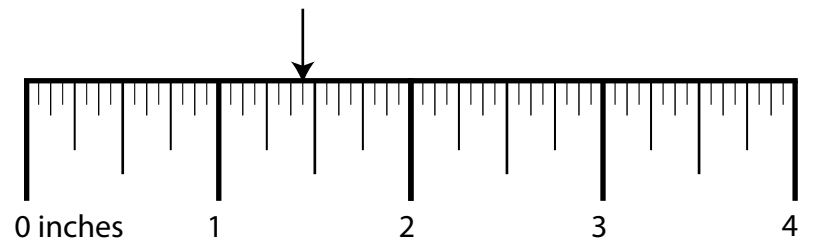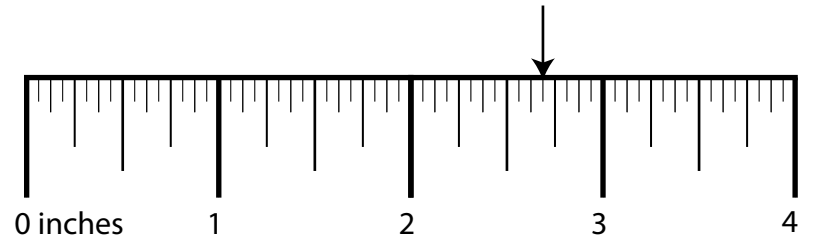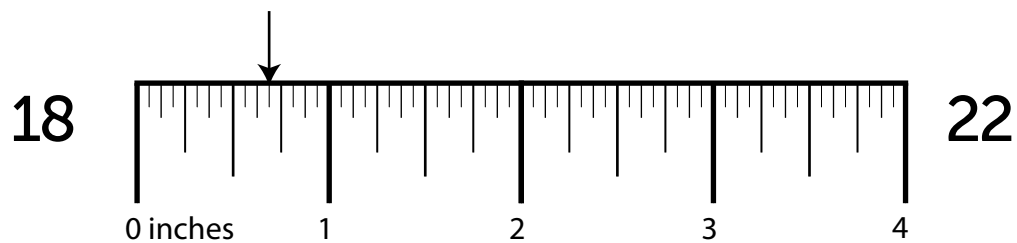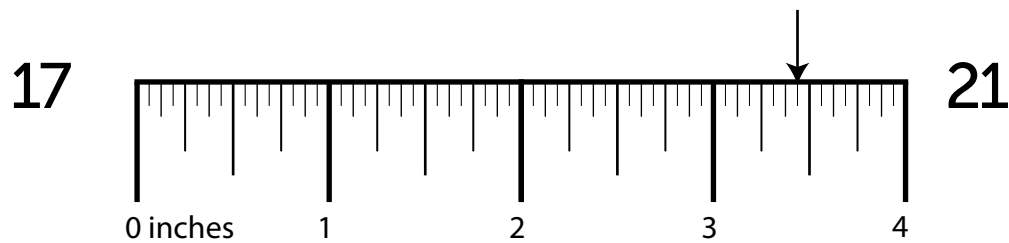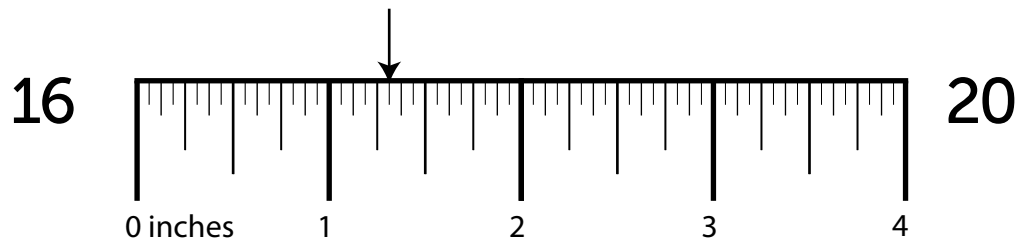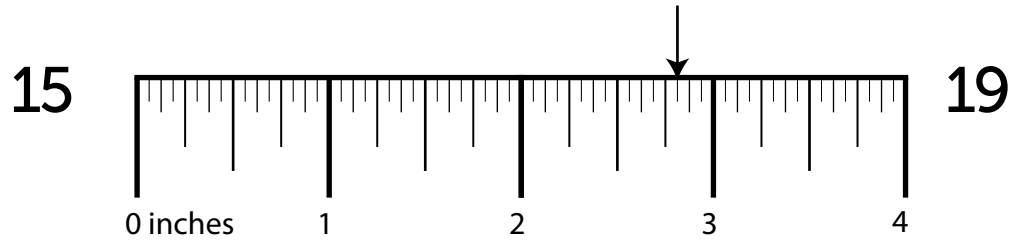
Section IV — More/Less Than

23. What is ¼ less than 4 ¼?   27. What is ¼ less than 1 ¼?

24. What is ¼ more than 5 ½?   28. What is ⅜ less than 3 ¹⁄₁₆?

25. What is ¼ more than 4 ⅜?   29. What is ½ more than 2 ⅜?

26. What is ¹⁄₁₆ more than 3 ⅜?   30. What is ½ more than 3 ½?

Section V — Nail Penetration & Screw Hole Bits

How far will a …

31.   12 ½ common gauge nail penetrate a 4 ½″ dry board?

32.
3 common gauge nail penetrate a 3 ½″ dry dimension?

33.
12 ½ common gauge nail penetrate a 4 ½″ green joist?

34.
40 penny nail penetrate a 3 ½″ green girder?

What size drill bit will you need to drill a …

35.   pilot hole for a 9 gauge screw?

36.   clearance hole for a 9 gauge screw?

37.   clearance hole for a 18 gauge screw?

38.   pilot hole for a 20 gauge screw?