Section I — +/− Feet & Inches

## 2 1 9

1. 12′ 7″ + 14′ 11″ =

5. 10′ 5″ − 3′ 2″ =

2. 10′ 4″ − 9′ 5″ =

6. 16′ 2″ − 3′ 9″ =

3. 8′ 7″ − 8′ 1″ =

7. 17′ 4″ − 3′ 11″ =

4. 17′ 11″ + 17′ 1″ =

8. 12′ 6″ + 10′ 10″ =

DRAWING IS NOT TO SCALE

Shape A (L-shape):
- ⑨
- ⑩
- 76′ 5″ (left side)
- 16′ 3″ (inner horizontal)
- 13′ 3″ (right side)
- 90′ 10″ (bottom)
- **A**

Shape B (T-shape):
- 9′ 9″ (top)
- 9′ 9″ (left upper horizontal)
- ⑪
- 11′ 4″ (right step)
- ⑫
- 9′ 11″ (left side)
- 8′ 11″ (right side)
- 90′ 8″ (bottom)
- **B**
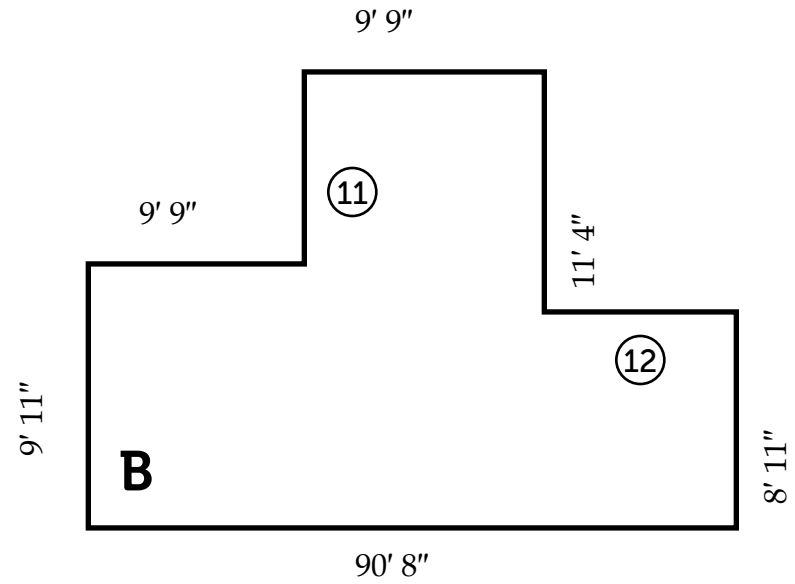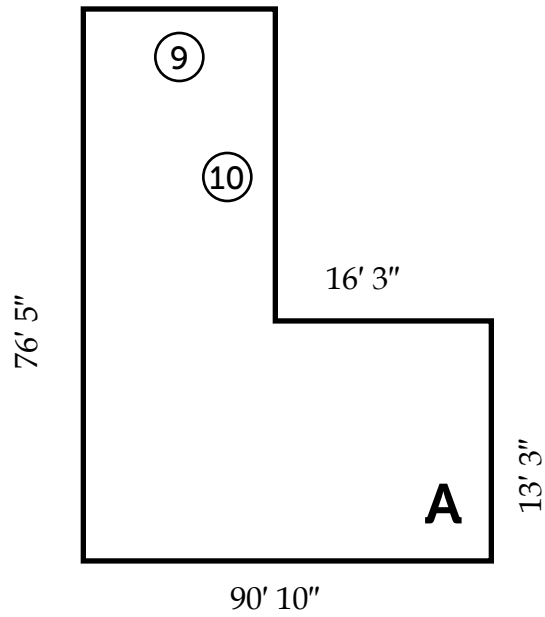
Side	Length	Side	Length	Shape	Perimeter
⑨	_____	⑪	_____	A	⑬ _____
⑩	_____	⑫	_____	B	⑭ _____

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
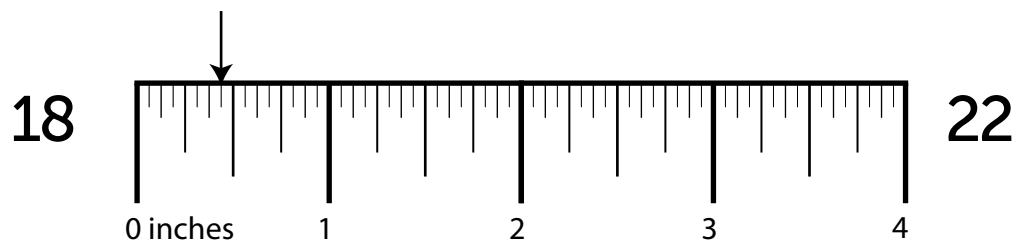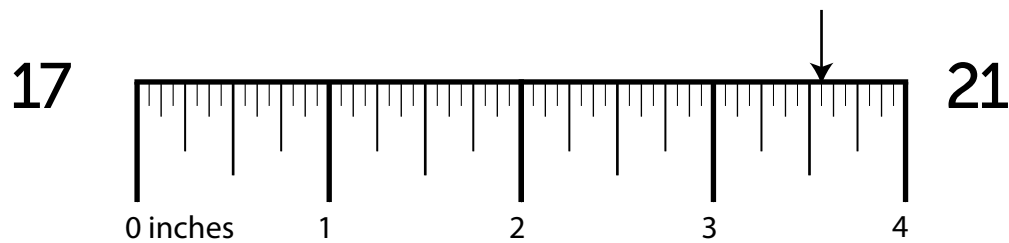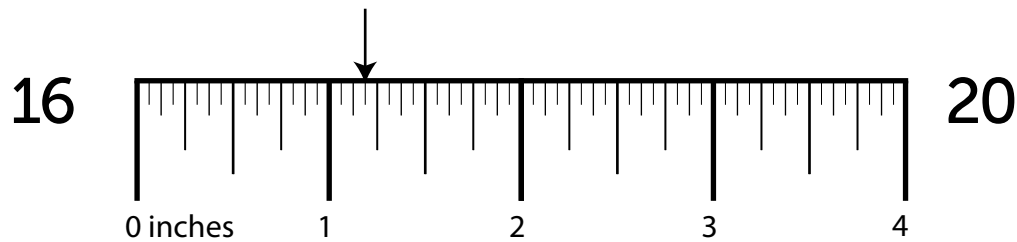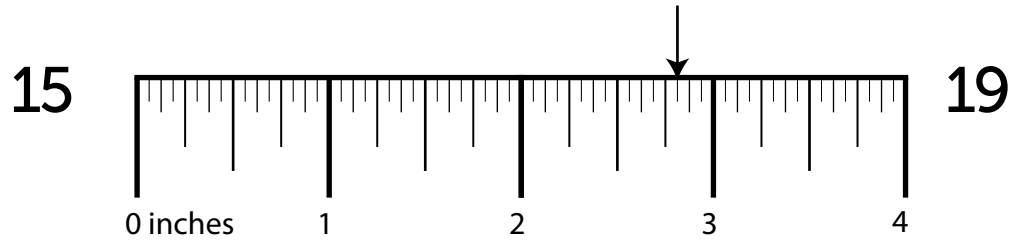
Section IV — More/Less Than

23.   What is ¼ less than 1 ¼?

27.   What is ¼ less than 1 ¼?

24.   What is ⅛ less than 4 ¼?

28.   What is ³⁄₁₆ more than 3 ¼?

25.   What is ⅛ less than 4 ¹⁄₁₆?

29.   What is ⅛ more than 1 ¼?

26.   What is ½ less than 3 ⅜?

30.   What is ⅜ more than 4 ⅜?

Section V — Nail Penetration & Screw Hole Bits

How far will a …

31.　5 penny nail penetrate a 3″ dry plank?

32.　8 common gauge nail penetrate a 2″ dry plank?

33.　15 ½ box gauge nail penetrate a ½″ green rafter?

34.　50 penny nail penetrate a 1 ¼″ dry frame?

What size drill bit will you need to drill a …

35.　pilot hole for a 3 gauge screw?

36.　clearance hole for a 7 gauge screw?

37.　pilot hole for a 20 gauge screw?

38.　countersink hole for a 18 gauge screw?