ACTIVITY ANSWER KEY

Chapter 2, Section 1

Check your answers with this Answer Key. Answers separated by commas may be in any order. Answers separated by semicolons must be in stated order. Correct all errors, then complete your next goal.

Lesson 1:
The Team

1. baseball
2. (b) False
3. (b) eleven
4. (c) Cardinals
5. sportsmanship
6. (a) True
7. (b) False
8. (d) they spent some time cleaning up the baseball field
9. (b) load and unload the tools often
10. (b) David
11. shed
12. (a) True
13. c rake
14. b hoe
15. a shovel
16. *"Nothing great was ever achieved without enthusiasm."*

Lesson 2:
The Plan

1. (b) the city owned the property where the ballpark was located
2. (a) True
3. maintenance equipment; field supplies
4. (b) False
5. (c) extending in the same direction, always equidistant, never meeting
6. Pythagorean Theorem
7. $a^2 + b^2 = c^2$
8. 15
9. (d) 90
10. 12 feet by 15 feet
11. four
12. (a) the distance from one corner to the opposite corner
13. diagonals
14. compass
15. (b) False
16. d parallel
17. a perpendicular
18. b rectangle
19. c T-square
20. (a) hypotenuse
    (b) 90° angle or corner (or right angle)
21. *"A goal properly set is halfway reached."*

Lesson 3:
Getting Started

1. (b) False
2. sand
3. (a) True
4. (c) at each corner and two feet back from the stakes
5. level
6. construction; batter boards
7. 6-8-10; Pythagorean
8. (b) standing straight up vertically
9. (c) keep the concrete in place until it hardened
10. removed easily
11. 12 inches by 12 inches
12. (b) False
13. 2; stronger
14. 12
15. 4

16. (wording may vary) To stabilize the forms, to keep them from pushing out when concrete was poured
17. (wording may vary) to make sure the form boards were straight
18. c wheelbarrow
19. f circular saw
20. a framing square
21. e level
22. b claw hammer
23. d sledge hammer
24. *"Working toward a common goal brings people together."*



Lesson 4:
The Slab

1. cement, aggregate, water
2. (c) sand and rock
3. heat, hardness
4. harder
5. 27
6. length (in feet) times width (in feet) times depth (in feet) divided by 27
7. 3.5
8. (d) multiplying
9. (b) False
10. (a) mixing it
11. (b) jitterbug
12. bull float
13. (b) False
14. J-bolts
15. finishing trowel
16. b bull float
17. c darby
18. f edger
19. a groover
20. e standard trowel
21. d j-bolt
22. *"The best preparation for tomorrow is to do today's work extremely well."*



Lesson 5:
Planning the Walls

1. Harden
2. (a) 2"x 4"s that hold the studs in place
3. 1½"x 3½"
4. $3\frac{1}{2}$
5. (c) a structural part of the wall over door or window openings
6. 11 ft 5 inches (long) by 8 ft (high)
7. (wording may vary) the longer walls overlapped the shorter walls at each corner
8. (d) the studs are 16 inches from the center of one stud to the center of the next
9. (c) white pine or southern yellow pine
10. foot
11. (b) its resistance to termites, moisture and decay
12. bottom plate
13. (b) perpendicular
14. 16 pennyweight
15. (b) False
16. top plate
17. header
18. studs
19. bottom plate
20. *"The road to success is always under construction"*

*** Hands On section graded by teacher**

Ask for your QUIZ over Section 1. **Reminder:** Students who score 85% or higher on the three section quizzes may be exempt from the chapter test!