ACTIVITY ANSWER KEY

Chapter 3, Section 3

Check your answers from the Answer Key.
Correct all errors, then complete your next goal.

Lesson 11: *Radicals*
Cube Roots

1. 3
2. area
3. volume
4. square root, cube root
5. negative
6. three
7. edges (or faces, sides)
8. 2
9. -2
10. 6
11. -5
12. -1
13. 1
14. -6
15. 4
16. 9 feet
17. 11 inches
18. 8 feet
19. (d) Yes, the boards are actually a foot longer than needed.
20. $\sqrt[3]{125 \bullet 3} = \sqrt[3]{125} \bullet \sqrt[3]{3} = 5\sqrt[3]{3}$
21. $\sqrt[3]{64 \bullet 4} = \sqrt[3]{64} \bullet \sqrt[3]{4} = \sqrt[3]{(4 \bullet 4 \bullet 4)} \bullet \sqrt[3]{4} = 4\sqrt[3]{4}$
22. $\sqrt[3]{108} = \sqrt[3]{27 \bullet 4} = \sqrt[3]{(3 \bullet 3 \bullet 3)} \bullet \sqrt[3]{4} = 3\sqrt[3]{4}$
23. $\sqrt[3]{32} = \sqrt[3]{8 \bullet 4} = \sqrt[3]{(2 \bullet 2 \bullet 2)} \bullet \sqrt[3]{4} = 2\sqrt[3]{4}$
24. $\sqrt[3]{24} = \sqrt[3]{8 \bullet 3} = \sqrt[3]{(2 \bullet 2 \bullet 2) \bullet 3} = 2\sqrt[3]{3}$
25. *"Every problem has a root cause. Find it, fix it, and life will be much easier."*

Lesson 12: *Converting*
English Weight

1. weight
2. weights
3. weight, English, U.S.
4. gravity
5. ton
6. ounce
7. divide
8. multiply
9. division
10. 3
11. multiply
12. 64,000
13. ounces, pounds
14. 16 lbs
15. 99,200
16. 45
17. 4000
18. one
19. 20
20. 104,000
21. 2000
22. 2
23. 4
24. 32,000
25. *"Be responsible for yourself and your actions. Take pride in what you do."*

Lesson 13: *Converting*
Metric Weight

1. Metric System
2. Weight
3. gram

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4. prefixes
5. length, volume
6. × 1,000
7. × one-tenth, $^1/_{10}$
8. × one-thousandth, $^1/_{1000}$
9. multiply
10. divide
11. Directional Method; Converting
12. multiplied
13. 34
14. multiplied, 10
15. (d) division
16. 160,000
17. 210,000
18. 1
19. 60
20. 800,000
21. 40,000,000
22. .6
23. 200
24. 35
25. *"Making the right choices gives direction for your life."*



Lesson 14: *Fractions*

Fractional Measure

1. measurements
2. fractions
3. fractional
4. pounds
5. odometer
6. cake
7. device
8. divide
9. 3 tsp
10. one-fourth
11. splice
12. 1
13. 440 yards
14. 7
15. California Gold Rush
16. $35.00
17. pounds
18. 44
19. $1540.00
20. divided out
21. gallon
22. 366
23. ratio
24. 18.3
25. 4 pints
26. 660 feet
27. 14.67 mpg
28. 24,000 ounces
29. 12 cups
30. *"A good man is the sum of courage and kindness."*



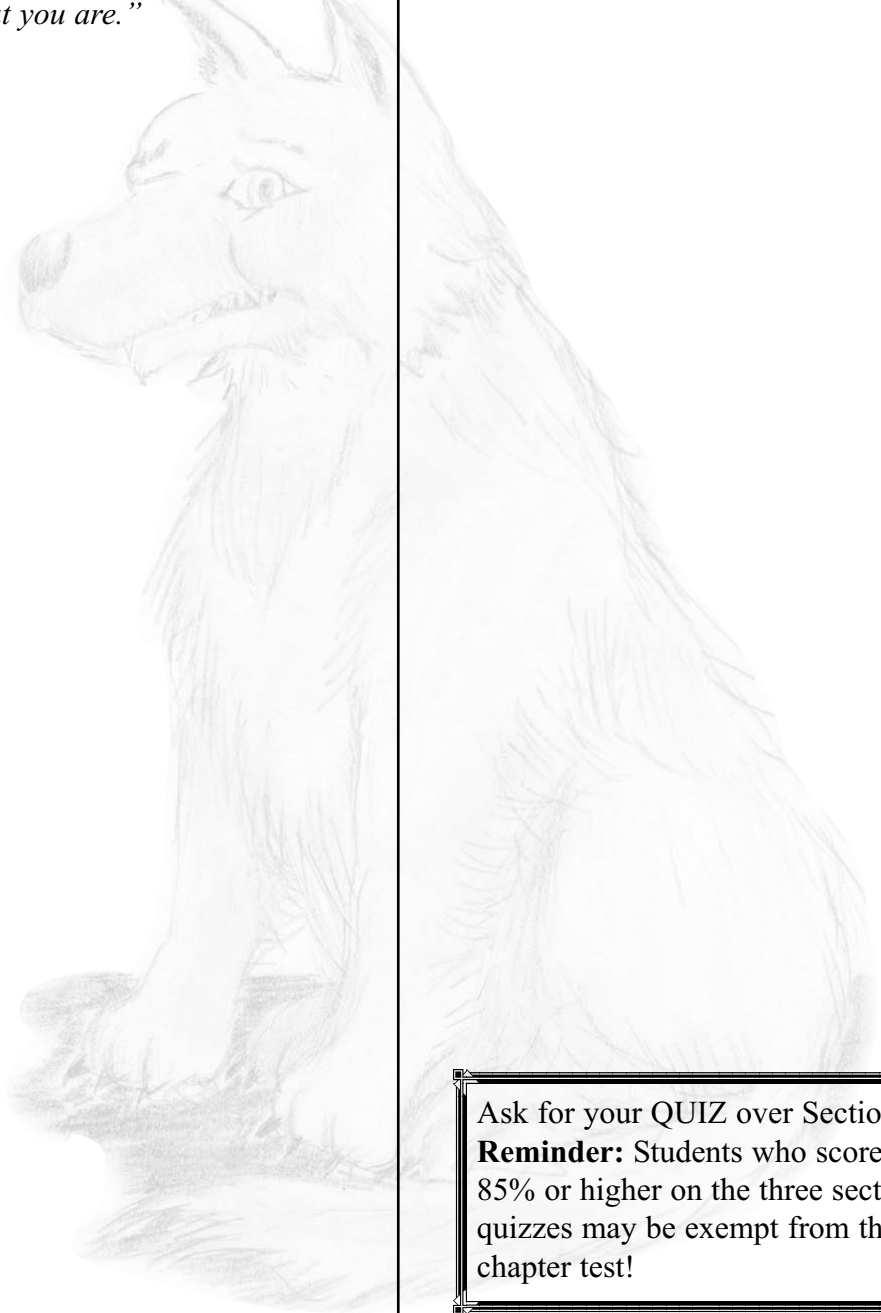
Lesson 15: *Percent*

Of Some Interest

1. (b) vehicle
2. 10%
3. bank, loan officer
4. loan officer
5. profit
6. profit
7. 9%
8. time
9. term
10. smaller
11. more
12. (d) actual amount borrowed
13. $I = Prt$
14. 6
15. 4
16. 9%
17. 10%
18. $3,500.00
19. $A = P + I$
20. $25,000.00
21. $35,000.00
22. monthly
23. divide
24. $^A/_t$

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25. bank
26. (c) The car would be repossessed by the loan agency.
27. $4,000.00
28. $250.00
29. $2,000.00
30. $1,800.00
31. $505.00
32. *"Your interests are a reflection of who and what you are."*



Ask for your QUIZ over Section 3.
Reminder: Students who score 85% or higher on the three section quizzes may be exempt from the chapter test!

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