ACTIVITY ANSWER KEY

Chapter 4, Section 3

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

Lesson 11: *Geometry*
Volumes

1. space
2. capacity
3. volume
4. cubic
5. volume
6. formulas
7. $V = l \times w \times h$
8. draw
9. substitute
10. 240
11. triangles
12. triangle
13. draw
14. $V = {}^{1}/_{2}bhl$
15. base, height, length
16. 48
17. $V = {}^{4}/_{3}\pi r^3$
18. 1
19. substitute
20. $4{}^{4}/_{21}$
21. eight
22. $2{}^{7}/_{9}$
23. 14,130
24. *"Your speech and your actions speak volumes about your character."*

Lesson 12: *Geometry*
More Volumes

1. prisms, spheres
2. $V = {}^{1}/_{3}lwh$
3. height
4. draw
5. 4", 4", 3"
6. $^{1}/_{3}$
7. 16
8. $V = \pi r^2 h$
9. radius
10. height
11. draw
12. 7", 4"
13. 352
14. height
15. similar
16. cylinder
17. $^{1}/_{3}$
18. 3
19. 1, 3
20. draw
21. $V = {}^{1}/_{3}\pi r^2 h$
22. $3{}^{1}/_{7}$
23. 40
24. 1,333,333 cubic feet
25. 10,780 cubic cm.
26. 200
27. $339{}^{3}/_{7}$
28. $603{}^{3}/_{7}$
29. *"The things with which you fill your life help determine who you are and what you will become."*

Lesson 13: *Algebra*
Unknown

1. recipe
2. known
3. recipe
4. V
5. lower

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6. perform
7. solution
8. set
9. solutions
10. { }
11. within (or inside)
12. isolated
13. rules, steps
14. same
15. 5
16. 2
17. 6
18. 7
19. opposite
20. 7
21. 2
22. 6
23. additions
24. $4 = {}^{8}/_{2}$
25. 1 = 4 - 3
26. $x = 2$
27. x
28. proper (or standard)
29. 5
30. 11
31. set, solution
32. 5
33. multiplication
34. 5
35. 25
36. multiple
37. subtraction, division
38. 5
39. 6
40. 1
41. {8}
42. {15}
43. {8}
44. {11}
45. {4}
46. {7}
47. {2}
48. {7}
49. *"Do unto others as you would have them do unto you."*



Lesson 14: *Algebra*
<u>*Multiple Unknowns*</u>

1. predictable
2. Unknown
3. solve
4. sequence
5. one
6. (any order) time, distance
7. $d = rt$
8. 110
9. 96
10. 18,000
11. numbers
12. l
13. rhs
14. $2w$
15. $P - 2w = 2l$
16. divided
17. changed
18. ${}^{(P-2w)}/_{2}$ or $\frac{(P-2w)}{2}$
19. specific
20. h
21. multiplication
22. dividing
23. remains
24. ${}^{2V}/_{bl}$
25. ${}^{(P-2l)}/_{2}$
26. ${}^{V}/_{(\pi r^2)}$
27. 9
28. *"Sometimes the best formula for facing the unknown is faith and truth."*



Lesson 15: *Algebra*
<u>*Combining*</u>

1. Like terms
2. unknowns
3. fruit, vegetable
4. variety (or type)

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5. (b) False
6. different
7. Unlike
8. unlike
9. unlike
10. unlike
11. like
12. like
13. unlike
14. like
15. combined
16. like
17. x
18. isolated
19. like
20. added
21. $2x = 11 - 9x$
22. lhs
23. $11x = 11$
24. 1
25. like
26. $x = 4$
27. $x = 6$
28. $x = 2$
29. $x = 2$
30. *"Adding positive factors to life cancels many negative features."*

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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