ACTIVITY ANSWER KEY

Chapter 6, Section 3

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



Lesson 11: *Calculations*
Calculate (Volume Conversions)

1. accurately
2. invention
3. volume
4. model
5. 3
6. 30
7. 2
8. 4
9. 75.6992
10. divide (or cancel)
11. correctly (or properly)
12. 50 meters
13. oil tanker
14. sea-going
15. shipyard
16. shipyard
17. $l \bullet w \bullet h$
18. cubic
19. 15,000
20. 7.480520
21. 7,925,162.184
22. 737.41788 cubic cm
23. 7.753471684 cubic ft
24. 1.492841858 gills
25. (b) 668 cubic feet
26. (d) 73,741.788
27. *"You can't do anything about the length of your life, but you can do something about its width and depth."*



Lesson 12: *Calculations*
Calculate (Weight Conversions)

1. accurately
2. invention
3. weight
4. 400
5. 2.5
6. Capacity
7. 453.59237
8. 28.349523
9. 1
10. 283.49523
11. 116.50477
12. 2.204623
13. 85
14. Subtract
15. 77.4 pounds
16. 16
17. 907,184.74
18. 453.592368
19. .453592
20. 100
21. (e) none of these
22. (b) 2.16934866
23. *"Commitment separates the doers from the dreamers."*



Lesson 13: *Calculations*
Calculate Temp (°F to °C)

1. Fahrenheit, Celsius
2. Fahrenheit
3. Celsius
4. convert
5. Fahrenheit

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6. Scientists
7. water
8. easier, accurate
9. $\frac{5}{9}(F - 32)$
10. Fahrenheit
11. 80
12. enter
13. 26.66666667
14. hundredths
15. 211
16. round
17. 99.44
18. -9.44°C
19. 232.22°C
20. 0°C
21. (b) 5,204.44°C to 6,132.22°C
22. *"There is no part of life that does not contain its lessons. If you are alive, there are lessons to be learned."*



Lesson 14: *Calculations*
Calculate Temp (°C to °F)

1. Fahrenheit; Celsius
2. (a) Metric
3. converted
4. absolute; degrees Kelvin
5. -273.16; all motion
6. b Fahrenheit
7. c Celsius
8. a Kelvin
9. $\frac{9}{5}C + 32$
10. 0
11. enter
12. 32
13. C
14. 122
15. 122
16. degrees Kelvin
17. 273.16 + C
18. 0
19. 273.16
20. 90
21. 363.16
22. not
23. C = *K* - 273.16
24. 100
25. -173.16
26. 400
27. 126.84
28. 86
29. -4
30. 23.89
31. 65.6
32. 298.16
33. -228.16
34. (c) 288.72
35. *"Life consists of many absolutes. Truth is one of them."*



Lesson 15: *Calculations*
Calculate (Unknowns)

1. Scientific calculators
2. rules
3. easier
4. lhs (left hand side)
5. 55.9
6. calculations
7. 2.347826086
8. mathematical
9. calculator
10. multiply
11. subtract
12. add
13. equal to
14. $4x - 5.25 = 2x + 9.3$
15. 7.275
16. 14 or {14}
17. 2 or {2}
18. 4 or {4}
19. (b) .6110563597
20. *"The only way to solve the unknowns in our lives is to put into the formula the absolutes we do know."*

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