ACTIVITY ANSWER KEY

Chapter 2, Section 3

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

Lesson 11: *Radicals*

Radicals

1. radical
2. radical
3. England
4. radicals
5. radical expression
6. 9
7. -3
8. 81
9. two
10. four
11. index
12. root
13. factor
14. (b) 2
15. 4
16. (c) 5
17. 2
18. principal square root
19. -3
20. positive
21. (b) 1
22. (d) 6
23. 5
24. 11
25. *"Changes come from radical thoughts."*

Lesson 12: *Algebra*

Expression

1. cultures
2. melting pot
3. freedom
4. constants, variables
5. Algebraic expressions
6. Formulas
7. $A = l \times w$
8. $V = l \times w \times h$
9. (d) 24 sq meters
10. (c) 24 cubic in.
11. Associative Property of Multiplication.
12. combining like terms
13. constant
14. variable
15. term
16. variable
17. 23
18. 100
19. 1
20. Like terms
21. Unlike terms
22. unlike
23. (f) b and d
24. (c) $14x + 13$
25. $11xy + 13xyz + 10$
26. $20xy + 16xyz + 2$
27. (e) b and d
28. $4x^3 + 4x^2 + 4x$
29. $2x^3 + 2x^2 + 2x + 1$
30. Commutative Property
31. (a) $3(x + 4) = (3 \bullet x) + (3 \bullet 4)$
32. *"Freedom requires diligent effort."*

Lesson 13: *Fractions*

Algebraic Fractions

1. fraction
2. same
3. numerical expression
4. equal

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5. equal
6. numerator, denominator
7. reciprocal
8. (c) $^{1}/_{20}$
9. (b) $^{6}/_{7}$
10. $^{1}/_{7}$
11. $^{6}/_{16} = {}^{3}/_{8}$
12. $^{xy}/_{12}$
13. $\frac{x+3y}{4}$
14. $^{2}/_{z}$
15. (c) $^{ac}/_{bd}$
16. $\frac{3x+4y}{5}$
17. (a) $^{3x}/_{y}$
18. 0
19. $\frac{7x+8y}{x}$
20. *"To maintain freedom, we must all work together."*

Lesson 14: *Algebra*
Algebraic Order

1. exponential
2. operation
3. acronym
4. Parentheses, Exponent, Multiplication, Division, Addition, Subtraction
5. evaluations
6. 15
7. 46
8. (d) 22
9. (a) 99
10. 18
11. 31
12. -4
13. 25
14. $5x$ - 2
15. $7x$ -18
16. (c) $6x + 44$
17. $6x^2 + 8x + 18$
18. $9x^2 + 12x + 10$
19. $-4x^2 + 24x + 74$
20. *"Problems in life are simplified when taken one step at a time."*

Lesson 15: *Algebra*
More Order

1. fraction
2. PEMDAS
3. numerator
4. two
5. fraction
6. $^{5}/_{6}$
7. $^{24}/_{5}$
8. 2
9. 6
10. 2
11. 12
12. 12
13. 35
14. $\frac{36x-66}{5x+35}$
15. (c) $\frac{3x+5}{2x+6}$
16. $\frac{6x-8}{3x+3}$
17. $\frac{24x-33}{4x+8}$
18. $\frac{8x+54}{2x-6}$
19. (d) $\frac{24x-20}{3x+3}$
20. *"Every problem has a solution."*

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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