ACTIVITY ANSWER KEY

Chapter 1, Section 2

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

Lesson 6: *Predictions*
Similar Triangles

1. similar
2. past
3. quickly
4. similarities
5. three, three
6. congruent
7. ratios
8. if and only if
9. similar to
10. congruent to
11. ~ or is similar to
12. ~ or is similar to
13. Corresponding
14. similar
15. Congruent
16. similar
17. vertical
18. 180°
19. ≅ or congruent to
20. congruent
21. Angle-Angle-Angle
22. angles
23. ratios
24. cross
25. ~ or similar
26. 6
27. 5 units
28. (d) A-A-A
29. (b) ∠E
30. 6 units
31. (c) 15 units
32. (d) vertical
33. *"Where there is matter, there is geometry."*

Lesson 7: *Predictions*
Ratios Predict

1. missing
2. height
3. shadow
4. measuring
5. 6
6. nine
7. eighteen
8. proportion (or ratio)
9. divided
10. 12
11. photographs
12. proper
13. (c) $\frac{3}{5} = \frac{5}{x}$
14. 3
15. $8\frac{1}{3}$
16. 40 feet
17. (a) 5.6 units
18. (e) none of these
19. $x = 10$
20. *"The height of a man's wisdom is determined by his character."*

Lesson 8: *Predictions*
Predict Areas

1. similarity
2. illustrate
3. similar
4. pose
5. area
6. $A = l \times w$
7. unreasonable
8. ratios
9. proportion (or ratio)

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10. one
11. (c) 50 sq meters
12. (a) 20 inches
13. one inch
14. *"Man is like a fraction whose numerator is what he is and whose denominator is what he thinks of himself. The larger the denominator, the smaller the fraction."*



Lesson 9: *Predictions*
Ratios and Rectangles

1. factor
2. rapidly
3. 4 square inches
4. 16 square inches
5. (d) 12
6. (b) 2.2
7. (c) curved line
8. (d) area
9. exponent
10. four
11. factor
12. double
13. ten
14. 100
15. 20 inches
16. four
17. ratios (or proportions)
18. ratios
19. exponents
20. 225
21. checks
22. square
23. nine
24. sixteen
25. ninth
26. 1
27. 16 sq cm
28. (b) 5
29. 10
30. 9 sq inches
31. *"Small problems become large, when not dealt with quickly."*



Lesson 10: *Predictions*
Ratios Speak Volumes

1. similarity
2. cubic
3. cube
4. 8
5. cubic
6. three
7. Cubic
8. $\frac{1}{2}$
9. $\frac{1}{2}$
10. three
11. factor of reduction
12. 64
13. tripled
14. Tripled
15. 27
16. factor of enlargement
17. 243 cubic meters
18. 125
19. (b) 2 cubic units
20. (a) 1 cubic inch
21. 27
22. *"Reducing a large problem into smaller problems, enlarges the probability of success."*

Ask for your QUIZ over Section 2.
Reminder: Students who score 85% or higher on the three section quizzes may be exempt from the chapter test!

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