ACTIVITY ANSWER KEY

Chapter 4, Section 2

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

Lesson 6: *Geometry*
Complements and Supplements

1. supplementary
2. complementary
3. $m\angle$
4. opposite
5. supplementary
6. complementary
7. complementary
8. neither
9. complementary
10. complementary
11. True
12. False
13. True
14. True
15. True
16. False
17. False
18. True
19. False
20. *"People who work well together are complements to each other."*

Lesson 7: *Geometry*
Transverse Angles

1. 180°
2. same
3. corresponding
4. equal (or congruent)
5. congruent
6. alternate interior, opposite
7. equal (or congruent)
8. alternate exterior
9. 180°
10. vertical
11. corresponding
12. interior
13. $\angle 16$
14. equals
15. equals
16. supplementary
17. equal
18. alternate interior
19. equals
20. vertical
21. $\cong$, (congruent to)
22. equals
23. supplementary
24. 180°
25. 180°
26. supplementary
27. *"Two wrongs do not make something right."*

Lesson 8: *Geometry*
Very Solid

1. Gibraltar
2. peninsula
3. (any order) Atlantic Ocean, Mediterranean Sea
4. (any order) Castles, fortresses
5. Rock, Gibraltar
6. (any order) unmovable, strong
7. rock
8. solid, 3
9. simple closed surface
10. basketball
11. (b) False
12. sphere
13. (any order) globes, basketballs

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14. plane
15. solid
16. face
17. face
18. polyhedron
19. prism
20. prism
21. base
22. side
23. hexagonal
24. cube
25. cone
26. cylinder
27. pyramid
28. adding
29. 5
30. 7
31. triangular prism
32. octagonal prism
33. sphere
34. cube
35. pyramid
36. cone
37. square prism
38. *"A person of moral courage is steadfast and unmovable during temptation."*



Lesson 9: *Geometry*
Surface Area

1. surface area
2. cover
3. Painters
4. adding
5. 6
6. 4", 6", 10"
7. draw
8. 248
9. (a) True
10. draw
11. $A = l \times w$
12. $A = \frac{1}{2}bh$
13. 5
14. 120
15. $A = 4\pi r^2$
16. $\frac{22}{7}$
17. 2
18. $50\frac{2}{7}$ in^2
19. 150 in^2
20. 54 in^2
21. 26 ft^2
22. $113\frac{1}{7}$ m^2
23. 616 in^2
24. *"You can easily calculate a person's responses when he is known for honesty."*



Lesson 10: *Geometry*
More Surfaces

1. (any order) prisms, spheres
2. (any order) base, sides
3. slant height
4. draw
5. square pyramid
6. five
7. 12 inches
8. 64 in^2
9. triangular pyramid
10. draw
11. 4"
12. four
13. 21.9
14. paper towel
15. circle
16. rectangle, circles
17. $\frac{22}{7}$
18. $\frac{88}{7}$
19. circumference
20. $\frac{264}{7}$ in^2
21. $62\frac{6}{7}$
22. 290,500 ft^2
23. $282\frac{6}{7}$ cm^2
24. 159.75 ft^2
25. *"A person is known by his actions."*

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