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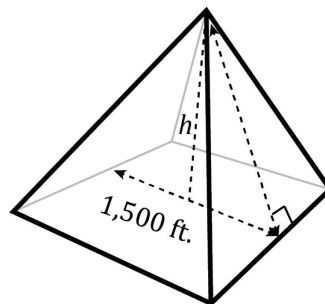**Revisions:** *Non-Negotiable Skills Level 3, 6th Edition*

The Cambridge Victory publications involve the collaborative effort of skilled test preparation writers, experienced educators, and trained editors to produce a product that effectively prepares students for test day. We work hard to create accurate, error-free materials, but occasionally we make mistakes. Please see the corrections below and notify your students of these changes when you present this item in class:

Page	For	Read
iii, Student Text	Mathematics Table of Contents	
264, Student Text 264, Teacher's Guide	Mathematics Unit 3, #5	**5.** Which of the following pie charts shows the number of points scored by Eddie during the tournament, distributed by game?
384, Student Text 384, Teacher's Guide	Mathematics Unit 10, Example Solution	The correct answer is (A). Set up an equation for "rise over run" is equal to slope and solve for *x*:

$$\frac{\text{rise}}{\text{run}} = \frac{1}{10}$$

$$\frac{x}{25} = \frac{1}{10}$$

$$x = \frac{25}{10} = \frac{5}{2} = 2.5$$

| Page	For	Read
388, Student Text 388, Teacher's Guide	Mathematics Unit 10, #12	**12.** A square pyramid has a base 1,500 feet wide. If the slope of one side of the pyramid where it bisects the base is $\frac{1}{5}$, how tall is the pyramid?

F. 100 ft.
G. 125 ft.
H. 150 ft.
J. 300 ft.
K. 3,750 ft.

751, Student Text 751, Teacher's Guide	Science Unit 8, #8	**8.**	Motor vehicles designed to be aerodynamic have less wind drag, thereby increasing fuel efficiency. Based on the experimental results, which one of the following cars would be the most aerodynamic?

F.

G.

H.

J.
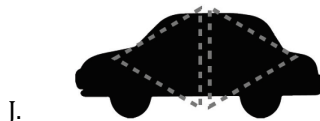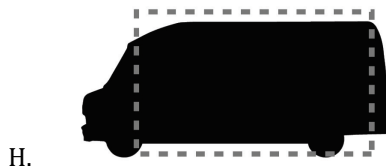
754, Student Text 754, Teacher's Guide	Science Unit 8	Graph 1 should be titled Graph 1: Current vs. Voltage (6-ohm Resistor) Graph 2 should be titled Graph 2: Current vs. Resistance (12-volt Battery)

764, Student Text	Science Unit 9, #2	**2.**	According to Table 1, what was the experimental net force applied to the 250 g cart for a 300 g hanging mass?

F. 0.98 N
G. 1.96 N
H. 2.94 N
J. 3.43 N

765, Student Text 765, Teacher's Guide	Science Unit 9, #8	**8.**	According to the experimental setup, which one of the following is the controlled variable in Experiment 2?

F. Hanging mass
G. System mass
H. Cart mass
J. Cart acceleration

770, Student Text 770, Student Text	Science Unit 9, #19	**19.** Which of the following describes the trial that tested a conducting cylinder made of red modeling clay that had a length of 0.12 m and a diameter of 0.02 m?

    A. Current, voltage, and resistance were 4 A, 2.04 V, and 50.9 Ω, respectively.

    B. Current, voltage, and resistance were 0.04 A, 2.04 V, and 50.9 Ω, respectively.

    C. Current, voltage, and resistance were 0.04 A, 8.10 V, and 202.5 Ω, respectively.

    D. Current, voltage, and resistance were 0.04 A, 6.15 V, and 153.8 Ω, respectively.

805, Student Text 805, Teacher's Guide	Science Unit 11, #16	**16.** Based on the results of Studies 1 and 2, a baseball will most likely have the greatest range for which of the following conditions?

    F. Launch angle of 15° with a backspin of 2,000 rpm at sea level

    G. Launch angle of 28° with a backspin of 2,000 rpm in Mexico City

    H. Launch angle of 30° with a backspin of 2,000 rpm at sea level

    J. Launch angle of 35° with a backspin of 1,000 rpm in Mexico City

809, Student Text 809, Teacher's Guide	Science Unit 11, #28	**28.** Based on the information provided and experimental results, which one of the following conclusions is correct?

    F. In a vacuum tube, increasing filament temperature increases electron flow from the anode to the cathode.

    G. In a diode, positive plate voltages increase electron flow from the anode to the cathode.

    H. In a triode, negative grid voltages decrease electron flow from the cathode to the anode.

    J. In a triode, positive plate voltages decrease electron flow from the anode to the cathode.

823, Student Text 823, Teacher's Guide	Science Unit 12, #26	**26.** The information provided supports which one of the following conclusions?

841, Student Text 841, Teacher's Guide	Science Mastery Test 1, #16	**16.** According to the U.S. Environmental Protection Agency, LC50 is defined as the concentration of chemical in air or water which is expected to cause death in 50 percent of test animals living in that air or water. Based on this information and the experimental results, what is the LC50 of the tested detergent for adult brine shrimp after 2 hours of exposure?

843, Student Text 843, Teacher's Guide	Science Mastery Test 1, Questions 17–34 Passage	*Experiment 3* The students used paper, aluminum, and lead, all of the same thickness, to measure the effectiveness of each material as a shield. They conducted three one-minute trials for each source with each shield, using the three sources from Experiment 2. In each trial, the source was placed 1.0 cm from the Geiger counter tube window and the shield was placed between the source and the tube window. The average total count rates were calculated and corrected by subtracting the average background radiation count rate from Experiment 1. The results are summarized in Table 3.

852, Student Text 852, Teacher's Guide	Science Mastery Test 2, #12	**12.** What was the dependent variable in the experiment for each solute?

      F.   Boiling point of solution
      G. Mass of water used
      H. Grams of solute dissolved
      J.   Solution sample temperature

857, Student Text 857, Teacher's Guide	Science Mastery Test 2, #26	**26.** Based on the experimental results, which one of the following statements about the relationship between displacement and velocity for the mass-spring system in periodic motion is correct?

      F.   The velocity of the mass-spring system increases as the system moves from maximum positive displacement to its resting position (zero displacement).
      G. The velocity of the mass-spring system is equal to 0 as the system passes through its resting position (zero displacement).
      H. The velocity of the mass-spring system remains constant as the system moves from maximum negative displacement to its resting position (zero displacement).
      J.   The velocity of the mass-spring system is greatest as the system passes through its resting position (zero displacement).

871, Student Text	Mathematics Unit 3, Answer Key	14. F

881, Student Text	Science Unit 9, Answer Key	8. F

882, Student Text	Science Unit 12, Answer Key	10. H

882, Student Text	Science Unit 13, Answer Key	23. D 27. D