**Lesson 1: Homework Practice**

***Integers and Graphing***

**Write an integer for each situation. Explain the meaning of zero in each situation.**

 **1.** a drop of 200 feet **2.** an expansion of 3 cubic meters

 **3.** earn 10 points **4.** reduce by 8 inches

 **5.** gain 2 pounds **6.** a drop of 7 degrees

**Graph each set of integers on a number line.**



 **7.** {–4, –3, 1, 5}



 **8.** {–15, –12, –9, –2}

 **9. BUSINESS** Ms. Solorio’s small business had a profit of $460 on Monday. Write an integer to represent this profit.

 **10. CAVING** The end of a cave is 380 meters below the surface of the earth. Write an integer to represent this depth.

 **11. TEMPERATURE** The low temperatures for three consecutive days were –5°F, 3°F, and 4°F. Graph this set of integers on a number line.



 **12. ELEVATIONS** The lowest elevation in New Orleans, Louisiana, is –8 feet. The lowest elevation in Long Beach, California, is –7 feet. Graph this set of integers on a number line.



 **13. Jackson owes his sister Monica $15. On the lines below explain the meaning of zero in this situation.**

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