**Integer Operations Study Guide** SCORE

**Write an integer for this situation.**

**1.**  a withdrawal of $82 **1. -82**

**Evaluate the expression.**

**2.**  | –26 | **2. 26**

**3.**  | –12 | – | –7| **3. 5**

**Evaluate each expression.**

**4.**  –18 – (–7) **4. -11**

**5.**  –36 + (–14) **5. -50**

**6.**  6(–15) **6. -90**

**7.**  80 ÷ (–8) **7. -10**

**8.**  14 – (–6) **8. 20**

**9.** $\frac{-16}{-2}$ **9. 8**

**10.**  –12(–6) **10. 72**

**11.**  –6(–9)(–3) **11. -162**

**12.** –15 + 18 – 25 **12. -22**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**13.** 12 – 28 – (–18) **13. 2**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**14.** – (–13) **14. 13**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**15.** $\left|–14-8\right|$ **15. 22**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Evaluate each expression.**

**16.** Trent saved $450 for summer vacation. If he spends $20 a week for **16.**  **330**

six weeks, how much money does he have left from his saving?

**17.**  The temperature in Charlotte was 80°F.Four hours later it was 60°F. **17.**  **-5**

What was the average change in temperature per hour as an integer?

**18.**  The upper atmosphere of Neptune can get as cold as –324°C.The inner **18.**  **5824**

core of the planet can be as hot as 5,500°C.What is the difference between

the two temperature extremes?

**19.**  At 3:00 A.M., the outside temperature was –18°F. By 3:00 P.M. that same day, **19.**  Expression:**-18+25**\_\_\_\_\_\_

it rose 25 degrees. **Write and solve** an addition expression that could represent

the temperature at 3:00 P.M. Answer:\_**7**\_\_\_\_\_\_\_\_\_\_\_\_\_

**20.**  Wai and Kuri were digging in the sand at the beach. Wai dug a hole that was **20.** Expression**:\_-7 – (-22)\_\_\_**

22 inches below the surface and Kuri dug a hole that was 7 inches below the

surface. **Write and solve** a subtraction expression that could represent the Ans:**15in (positive answer)**

difference in the depths of their holes.

**21.**  Mrs. Rockwell lost money on an investment at a rate of $12 per day. **Write and 21.** Expression:\_**7(4)(-12)\_\_\_**

**solve** a multiplication expression that could represent the change in her

investment after four weeks. Answer:\_**-336**\_\_\_\_\_\_\_\_\_\_\_

**22.**  During a 5–day workweek, the stock market decreased by 85 points. **Write and 22.** Expression: **-85/5**\_\_\_\_\_\_

**solve** a division expression that could represent the average daily change

in the market for the week. Answer:\_\_**-17\_\_\_\_\_\_\_\_\_\_\_**