Name _____ Date _____

1.5 Practice B

Divide, if possible.

1. $51 \div (-3)$ **2.** $\frac{-63}{21}$ **3.** $\frac{0}{25}$ **4.** $\frac{-144}{-9}$

5. $105 \div (-5)$ **6.** $-82 \div 0$ **7.** $-96 \div 8$ **8.** $-15 \div (-15)$

9. $\frac{99}{-9}$ **10.** $225 \div (-25)$ **11.** $\frac{-156}{3}$ **12.** $-48 \div (-3)$

13. Your team catches 42 Mahi Mahi over 2 weeks. What is the average daily Mahi Mahi catch?

Evaluate the expression.

14. $-10 + 16 \div (-2) + 7$ **15.** $(-68) \div (-4) + 5 \bullet (-3)$

Evaluate the expression when $a = -81$, $b = -27$, and $c = 3$.

16. $\frac{a}{3c}$ **17.** $\frac{a - b}{c}$ **18.** $\left|\frac{ac}{b}\right|$

19. PI-Squared and Euler Circles are in a math competition consisting of 10 two-part questions. Both parts correct earns 5 points, one part correct earns 2 points, and no parts correct earns -1 point.

a. What is the average points per question for PI-Squared?

b. What is the average points per question for Euler Circles?

Team	Both	One	None
PI-Squared	4	2	4
Euler Circles	2	6	2

c. Which team should win the competition? Explain your reasoning.

20. A 155-pound person burns about 500 calories per hour playing racquetball.

a. One pound is equal to 3500 calories. How long will it take to burn 1 pound playing racquetball?

b. How long will it take to burn 5 pounds playing racquetball? Explain your reasoning.

c. If the person were to rest 5 minutes for every 30 minutes of playing, how long would it take to burn 1 pound?