Getting Ready – Operations with Fractions,   Name _____
Integers & Decimals Assignment   Date _____ Period _____

Find the sum, difference, product, or quotient. Write your answers in simplest form.

1. $\frac{4}{5} + \frac{1}{6}$

2. $\frac{8}{5} - \frac{1}{3}$

3. $5\frac{3}{2} + 1\frac{3}{4}$

4. $4\frac{1}{4} - 3\frac{3}{5}$

5. $\frac{8}{7} * \frac{9}{2}$

6. $\frac{1}{3} \div \frac{3}{8}$

7. Jerry has a length of rope that he wants to cut into 5 equal pieces. If the rope is $21\frac{7}{8}$ feet long, how long should he cut each piece? Explain your steps.

8. Paul said that $3\frac{1}{5} * 2\frac{3}{8} = 6\frac{3}{4}$. Is Paul correct? Explain your answer.

9. Hitomi, Ben, and Gayle bought 3 pumpkins that weighed $15\frac{5}{6}$ pounds altogether. Ben and Gayle's pumpkins each weighed the same amount. Hitomi's pumpkin weighed $6\frac{1}{3}$ pounds. How much did Gayle's pumpkin weigh? Explain your steps.

Evaluate each expression.

10. 5 + (–7)

11. –10 – (–6)

12. –8 × 2

13. –18 ÷ –3

14. –9 × –3

15. 32 ÷ –4

16. Order expressions **a**, **b**, and **c** from least to greatest.
   a. –8 + 9 **b.** 8 – (–9) **c.** –8 – 9

17. Which expression is greatest? Justify your answer.
   a. 4 × –5 **b.** –5 + 4 **c.** –4 – (–5)

18. On an arcade game, Connor got the 100-point bonus 5 times and the 150-point penalty 3 times. If he started with 200 points, how many points does he have now? Explain how you found your answer.

Find each sum, difference, product, or quotient.

19. 29.38 + 5.7

20. 11.5 – 6.03

21. 77 × 1.36

22. 0.37 × 1.2

23. 1.048 ÷ 4

24. 75 ÷ 0.6

25. Kayla is going to Japan for vacation. She will exchange $300 for Japanese yen. The exchange rate is $1 = 85.74 yen. How many yen will Kayla receive?

26. Mr. Alquist has 448.2 kilograms of clay. Each student needs 5.5 kilograms of clay for the art project. How many students can Mr. Alquist provide with clay?

27. Jorge bought 3 shirts and 2 pairs of pants. Each shirt cost $21.50 and each pair of pants cost $34.45. If he had $145 in his wallet, how much money will he have left after paying for his clothes? Show your work and explain your answer.