

Name: \_\_\_\_\_ Period: \_\_\_\_\_

**Math 9: Fractions Quiz #1**

*Full credit will only be awarded for all work shown in a neat and organized manner.*

1. Arrange in order from smallest to largest

a) 1.67, -1.6668, -1.667, 1.669

b)  $\frac{4}{11}$ ,  $0.3\bar{6}$ ,  $0.36\bar{3}$ ,  $0.\bar{3}$

Answer) \_\_\_\_\_

Answer) \_\_\_\_\_

2. Determine a ***fraction*** and a ***decimal*** between each pair of numbers

a)  $\frac{11}{13}$ ,  $\frac{7}{8}$

b)  $2.\bar{35}$ ,  $2.3\bar{5}$

3. Solve.

a) \_\_\_\_\_ + 11.32 = -24.1

b) -16.55 + \_\_\_\_\_ = -2.73

4. Simplify and reduce your answer. Answer in **improper fraction form** (if needed).

a)  $-\frac{19}{8} + \frac{5}{4}$

b)  $-\frac{2}{3} + \left(-1\frac{2}{7}\right)$

c)  $2\frac{3}{5} - 0.2$

5. Simplify and reduce your answer. Answer in **mixed fraction form** (if needed).

a)  $\frac{13}{4} - \frac{2}{3}$

b)  $\frac{15}{2} - (-1.1)$

c)  $1\frac{1}{15} + 2\frac{1}{3}$

6. Mr. G needs  $5\frac{1}{3}$  cups of flour in total to make baked goods for the staff party. He needs  $2\frac{3}{4}$  cups for cookies,  $1\frac{1}{2}$  cups for a cake, and the rest for donuts. How much flour is Mr. G using for donuts?  
(Answer in mixed form)

7. Find the value of each shape to make the mobile balance (answer with fractions).

