

Name: _____

Date: _____

6M – Unit 2 Test Study Guide – Rational Numbers

Decimal Multiplication

1. $3.45 \times 9.8 =$

4. $4.65 \times 2.78 =$

2. $7.89 \times 6.4 =$

5. $0.3 \times 0.12 =$

3. $3.47 \times 0.64 =$

6. $0.93 \times 0.7 =$

Fraction Multiplication: Simplify where possible

1. $\frac{4}{9} \cdot \frac{8}{12} =$

3. $\frac{45}{63} \cdot \frac{9}{31} =$

5. $3\frac{6}{11} \cdot \frac{7}{12} =$

2. $\frac{6}{13} \cdot \frac{24}{32} =$

4. $4\frac{3}{7} \cdot \frac{11}{23} =$

6. $8\frac{4}{5} \cdot 6\frac{3}{4} =$

7. $7 \cdot \frac{8}{9} =$

8. $\frac{5}{27} \cdot 6 =$

Dividing Decimals

1. $24.7 \div 0.05 =$

4. $4.48 \div 1.6 =$

2. $1,049.26 \div 0.23 =$

5. $9.670 \div 0.5 =$

3. $3 \div 0.008 =$

6. $56.55 \div 2.5 =$

Dividing Fractions

1. $\frac{2}{3} \div \frac{5}{6}$

3. $\frac{8}{12} \div \frac{12}{60}$

2. $\frac{9}{45} \div \frac{12}{15}$

4. $\frac{3}{8} \div \frac{2}{16} =$

5. $\frac{4}{6} \div 8 =$

6. $9 \div \frac{4}{7} =$

Comparing Rational Numbers

1. Compare $\frac{4}{6}$ *and* $\frac{5}{8}$

4. Compare 2.8 *and* $2\frac{8}{9}$

2. Compare $-\frac{9}{12}$ *and* $-\frac{7}{12}$

5. Compare $\frac{3}{11}$ *and* 0.275

3. Compare $\frac{4}{10}$ *and* $\frac{4}{15}$

6. Compare $2\frac{7}{9}$ *and* 2.778

Ordering Rational Numbers

1. Order the following set: $\{ \frac{2}{3}, 0.667, -\frac{6}{9}, -0.65, \frac{5}{8} \}$

2. Order the following set: $\{ -3\frac{7}{8}, -3\frac{8}{9}, -\frac{4}{15}, -3.89, -0.22 \}$