**Math 9: Rational Numbers Final Exam Review**

**Introduction**

* Fractions to Decimals

What is the fraction and decimal of the shaded part?

* Comparing Fractions

Arrange from largest to smallest.

3, 2, 70

4 5 100

* Adding/Subtracting Fractions
1. 5 + 5

6 24

1. 5 3 – 2 2

 4 3

* Multiiplying & Dividing Fractions
1. 4 x 7

35 6

1. 15 ÷ 5

4 12

**Comparing and Ordering Rational Numbers**

1. Put the following on a number line

-5, -3.9, -4 1

 2 5

1. What is the numbers opposite?

10

11

1. Write the rational as an equivalent fraction.

-(-7)

 8

1. Which value is greater?

-2, -4

 3 7

1. Identify a decimal number between the following:
2. 5, 6

6 7

1. Identify a fraction between the following:
2. -0.5, -0.6

**Problem Solving with Rational Numbers in Decimal Form**

1. Calculate the following. Round to the nearest hundredth where necessary.
2. 2.46 – (-1.233)
3. 37.4 x 25.6

 20.6

1. (10.4 – 27.3) x (53.8 – 76.4)

 34.9 x (58.3 – 84.7)

1. An airplane is cruising at a height of 1500 m. It then descends at 8m/min for 30 min. What was the plane’s height after 30 min? If the plane continues to descend how long will it take to reach the ground?

**Questions to Review**

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Rational Numbers Assignment 1

Rational Numbers Quiz

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Rational Numbers Assignment 2

Rational Numbers Test