

Name: _____

Practice Test – Unit 0

Rules

- Please show your work
- Please circle your answer.
- Please work in pencil.

Directions: Please write a prime factorization for the following.

1. 290
2. 625

Directions: Please list the factor pairs of the following.

1. 96
3. 91

Directions: Please find the GCF of the following. Show your factors.

1. 24 & 17
2. 12, 24, 28

Directions: Please find the least common multiple of the following. Show your list.

1. 8 & 12
2. 3, 4, 18

Directions: Please describe the rules for addition of fractions

Directions: Please simplify the following.

1. $\frac{7}{3} + \frac{5}{3}$

2. $2\frac{1}{3} + 5\frac{1}{7}$

3. $4\frac{1}{6} - 3\frac{1}{8}$

Directions: Please describe the rules for multiplication and division of fractions.

Directions: Please simplify the following.

1. $\frac{2}{5} \times \frac{25}{3}$

$\frac{3}{10} \times \frac{24}{12} \times 2\frac{1}{7}$

$3\frac{1}{5} \div 2\frac{2}{15}$

Directions: Please simplify. Your writing must show an elimination of the sign sign phenomenon.

1. $-5 - (-6)$

2. $12 + (-15)$

3. $-4(5) - 6(-3)$

4. $4 - 6 \div 3 \times 2 + 5$

5. $2^3 - 4(4 - 6)$

6. $2^2 + 3^2 - 14^2$