Seventh Grade - Number System

1) Evaluate the following rational expressions give your answer in the least form

$$6\frac{1}{5} - \frac{5}{7} \times \frac{14}{25}$$

- 29/5
- 33/4
- 12/5
- 23/4

2) Evaluate the following rational expressions give your answer in the least form

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

- 12/43
- 32/34
- 12/67
- 14/31

3) Evaluate the following rational expressions give your answer in the least form

$$-\frac{2}{9} + \frac{3}{18} + 2\frac{1}{3}$$

- 44/21
- 12/5
- 41/18
- 34/23

4) Evaluate the following rational expressions give your answer in the least form

$$-7 \times (3-7) \div \frac{2}{3}$$

- 45
- 42
- 56
- 65
- 5) Evaluate the following rational expressions give your answer in the least form

$$2\frac{5}{12} \div \left(3\frac{1}{4} - 1\frac{3}{4}\right)$$

- 11/3
- 29/18
- 34/9
- 23/11
- 6) Evaluate the following rational expressions give your answer in the least form

$$\frac{5}{12} + \frac{5}{6} \div \sqrt{2\frac{7}{9}}$$

- 23/46
- 32/45
- 45/63
- 11/12
- 7) Evaluate the following rational expressions give your answer in the least form

$$-\left\{ \left[2\frac{2}{3} + \left(-\frac{3}{4}\right)\right] \div \frac{3}{7} \times \left(1\frac{4}{5} - 1\frac{2}{9}\right) \right\}$$

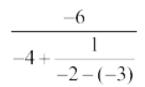
- -1908/945
- -2093/810
- -4643/134
- -3134/120
- 8) Evaluate the following rational expressions give your answer in the least form

$$\left[2\frac{2}{3} + \left(-\frac{1}{4}\right)\right] \div \left(\frac{3}{7}\right) \times \left(1\frac{4}{5} - 1\frac{2}{9}\right)$$

- 4533/454
- 2342/443
- 1253/676
- 1421/162
- 9) Evaluate the following rational expressions give your answer in the least form

$$-\left\{ \left[\frac{13}{20} - \left(-\frac{3}{4} \right)^2 \right] \times \frac{3}{14} \div \left(-\frac{3}{15} \right) \right\} \times \left\{ \left(-\frac{2}{13} \right)^2 \times \left[99 + (-24 - 36) \right] \right\}$$

- -547/4382
- -117/1382
- -217/1234
- -127/1456
- 10) Evaluate the following rational expressions give your answer in the least form



- 2
- 5
- 7
- 9
- 11) Write the following fractions in the simplest form. 15/21?
 - 2/6
 - 5/7
 - 6/3
 - 3/6
- 12) Write the following fractions in the simplest form. -9/63?
 - -1/7
 - -3/8
 - -2/5
 - -3/9
- 13) Write the following fractions in the simplest form. -45/72?
 - -7/12
 - -4/9
 - -3/13
 - -5/8
- 14) Write the following fractions in the simplest form. 95/133?

| Driven by Concept Map. | |
|------------------------|--|
| | |
| | |

| • | 5/9 |
|---|-----|
| • | 5/7 |

- 3/5
- 2/5
- 15) Write the following fractions in the simplest form. 34/119?
 - 2/7
 - 7/5
 - 3/5
 - 5/6
- 16) Write the following fractions in the simplest form. 39/52?
 - 3/4
 - 6/3
 - 5/6
 - 7/4
- 17) Write the following fractions in the simplest form. 91/117?
 - 3/7
 - 7/8
 - 5/6
 - 7/9
- 18) Write the following fractions in the simplest form. -46/161?
 - -2/7
 - -2/9
 - -5/13
 - -3/11

| Write the following fractions in the simplest form. | 11/185? |
|---|---------|
| | |

- 8/5
- 3/5
- 8/3

- -27/31
- -19/32
- -17/23
- -13/25

21) Write the following decimals as a rational number (in simplified form or mixed form) 0.0125?

- 7/34
- 4/56
- 8/45
- 1/80

22) Write the following decimals as a rational number (in simplified form or mixed form) 2.45?

- 35/21
- 33/12
- 49/20
- 45/21

23) Write the following decimals as a rational number (in simplified form or mixed form) 7.56?

- 189/25
- 213/23

- 111/21
- 199/14

24) Write the following decimals as a rational number (in simplified form or mixed form)

1.3

- 5/4
- 4/3
- 3/4
- 2/3

25) Write the following decimals as a rational number (in simplified form or mixed form) -0.0015?

- -5/4400
- -6/6400
- -5/4540
- -3/2000

26) Write the following decimals as a rational number (in simplified form or mixed form)

 $3.\overline{45}$

- 34/13
- 21/11
- 45/13
- 38/11

27) Write the following decimals as a rational number (in simplified form or mixed form)

 $1.\overline{6}$

• 1/2

- 5/3
- 2/3
- 4/5

28) Write the following decimals as a rational number (in simplified form or mixed form)

1.253

- 106/111
- 312/422
- 453/323
- 234/453

29) Write the following decimals as a rational number (in simplified form or mixed form) -5.032?

- -2158/234
- -2188/221
- -1258/250
- -2298/190

30) Write the following decimals as a rational number (in simplified form or mixed form)

-0.12

- -5/45
- -4/33
- -3/41
- -8/55