Seventh Grade - Number System

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

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

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

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

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

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

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

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

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

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

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

- 65
- 42
- 45
- 56

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

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

- 29/18
- 23/11
- 34/9
- 11/3

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
- 11/12
- 32/45
- 45/63

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

$$-\left\{\left[2\frac{2}{3}+\left(-\frac{3}{4}\right)\right]\div\frac{3}{7}\times\left(1\frac{4}{5}-1\frac{2}{9}\right)\right\}$$
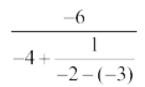
- -4643/134
- -2093/810
- -3134/120
- -1908/945

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
- 1253/676
- 1421/162
- 2342/443

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

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

- -547/4382
- -127/1456
- -217/1234
- -117/1382

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

$$\frac{-6}{-4 + \dfrac{1}{-2 - (-3)}}$$

- 9
- 2
- 7
- 5

11) Write the following fractions in the simplest form. 15/21?

- 5/7
- 2/6
- 3/6
- 6/3

12) Write the following fractions in the simplest form. -9/63?

- -3/9
- -2/5
- -3/8
- -1/7

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?

- 3/5
- 5/7
- 5/9
- 2/5

15) Write the following fractions in the simplest form. 34/119?

- 5/6
- 2/7
- 7/5
- 3/5

16) Write the following fractions in the simplest form. 39/52?

- 6/3
- 3/4
- 7/4
- 5/6

17) Write the following fractions in the simplest form. 91/117?

- 7/9
- 7/8
- 5/6
- 3/7

18) Write the following fractions in the simplest form. -46/161?

- -3/11
- -2/7
- -2/9
- -5/13

19) Write the following fractions in the simplest form. 111/185?

- 6/4
- 8/3
- 3/5
- 8/5

20) Write the following fractions in the simplest form. -119/161?

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

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

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

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

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

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

- 213/23
- 111/21

- 189/25
- 199/14

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

$1.\overline{3}$

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

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

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

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

$3.\overline{45}$

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

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

$1.\overline{6}$

- 5/3

- 1/2
- 2/3
- 4/5

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

$1.\overline{253}$

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

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

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

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

$-0.\overline{12}$

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