Seventh Grade - Number System

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

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

- 33/4
- 29/5
- 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
- 14/31
- 32/34
- 12/67

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

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

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

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

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

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

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

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

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

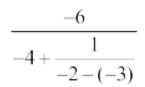
- -3134/120
- -4643/134
- -2093/810
- -1908/945
- 8) Evaluate the following rational expressions give your answer in the least form

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

- 1421/162
- 1253/676
- 2342/443
- 4533/454
- 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
- -217/1234
- -117/1382
- -127/1456
- 10) Evaluate the following rational expressions give your answer in the least form



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

•	5/9

•	2/5

- 3/5
- 5/7

	15)	Write the	e following	rfractions i	n the s	simplest form.	34/119
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- 3/5
- 2/7
- 7/5
- 5/6

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?

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

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

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

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

20) Write the following fractions in the simplest form119/16	161?
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- -17/23
- -27/31
- -19/32
- -13/25

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

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

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

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

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

- 189/25
- 111/21

- 199/14
- 213/23

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

1.3

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

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

 $3.\overline{45}$

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

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

 $1.\overline{6}$

• 4/5

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

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

1.253

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

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

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

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

-0.12

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