## Seventh Grade - Number System

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

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

- 12/5
- 23/4
- 29/5
- 33/4
- 2) Evaluate the following rational expressions give your answer in the least form

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

- 14/31
- 12/67
- 32/34
- 12/43
- 3) Evaluate the following rational expressions give your answer in the least form

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

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

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

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

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

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

- -1908/945
- -4643/134
- -2093/810
- -3134/120

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

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

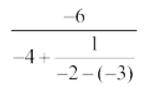
- 1421/162
- 2342/443
- 1253/676
- 4533/454

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

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

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

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



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

•	5/7	
-	J/ I	

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

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

19) Write the following fractions in the simplest form. 111/185?
<ul> <li>6/4</li> <li>3/5</li> <li>8/3</li> <li>8/5</li> </ul>
20) Write the following fractions in the simplest form119/161?
<ul> <li>-19/32</li> <li>-17/23</li> <li>-27/31</li> <li>-13/25</li> </ul>
21) Write the following decimals as a rational number (in simplified form or mixed form) 0.0125?
<ul> <li>4/56</li> <li>7/34</li> <li>8/45</li> <li>1/80</li> </ul>
22) Write the following decimals as a rational number (in simplified form or mixed form) 2.45?
<ul> <li>45/21</li> <li>35/21</li> <li>49/20</li> <li>33/12</li> </ul>

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

• 199/14

• 111/21

- 213/23
- 189/25

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

1.3

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

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

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

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

 $3.\overline{45}$ 

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

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

 $1.\bar{6}$ 

• 1/2

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

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

1.253

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

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

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