



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

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

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

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

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

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

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



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

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

- 65
- 42
- 45
- 56

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

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

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

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

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

- 11/12
- 32/45
- 45/63
- 23/46

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



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

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

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

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

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

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



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

- 2
- 9
- 5
- 7

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

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

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

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

13) Write the following fractions in the simplest form. -45/72?

- -7/12
- -5/8
- -4/9
- -3/13

14) Write the following fractions in the simplest form. 95/133?



- $\frac{3}{5}$
- $\frac{2}{5}$
- $\frac{5}{9}$
- $\frac{5}{7}$

15) Write the following fractions in the simplest form. $\frac{34}{119}$?

- $\frac{2}{7}$
- $\frac{3}{5}$
- $\frac{7}{5}$
- $\frac{5}{6}$

16) Write the following fractions in the simplest form. $\frac{39}{52}$?

- $\frac{3}{4}$
- $\frac{5}{6}$
- $\frac{6}{3}$
- $\frac{7}{4}$

17) Write the following fractions in the simplest form. $\frac{91}{117}$?

- $\frac{7}{9}$
- $\frac{7}{8}$
- $\frac{3}{7}$
- $\frac{5}{6}$

18) Write the following fractions in the simplest form. $\frac{-46}{161}$?

- $\frac{-2}{9}$
- $\frac{-5}{13}$
- $\frac{-3}{11}$
- $\frac{-2}{7}$



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

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

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

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

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 ?

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

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

- $199/14$
- $111/21$



- 189/25
- 213/23

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

$1.\overline{3}$

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

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

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

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

$3.\overline{45}$

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

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

$1.\overline{6}$

- $5/3$



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

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

$1.\overline{253}$

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

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

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

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

$-0.\overline{12}$

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