



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

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

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

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



$$\begin{array}{r} -6 \\ \hline -4 + \frac{1}{-2 - (-3)} \end{array}$$

- 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?



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

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. $-46/161$?

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



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

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

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

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

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)

$1.\overline{3}$

- $\frac{5}{4}$
- $\frac{4}{3}$
- $\frac{3}{4}$
- $\frac{2}{3}$

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)

$3.\overline{45}$

- $\frac{34}{13}$
- $\frac{21}{11}$
- $\frac{45}{13}$
- $\frac{38}{11}$

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

$1.\overline{6}$

- $\frac{1}{2}$



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

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

$1.\overline{253}$

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

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)

$-\overline{0.12}$

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