

MAT 0018 Review Test 3 (Fraction Part)

1. $\frac{-4}{5x} + \frac{2}{5x}$

2. $\frac{3y}{7} + \frac{2y}{7}$

3. $\frac{2x}{9} - \frac{1}{9}$

4. Find the LCD: $\frac{8}{25}, \frac{7}{10}$

5. Find the LCD: $\frac{23}{18x}, \frac{1}{21}$

6. $\frac{-2}{5} + \frac{1}{3} - \frac{3}{10}$

7. $4y - \frac{3y}{20}$

8. $\frac{x}{4} + \frac{x}{8} + \frac{2x}{16}$

9. Solve: $\frac{3x}{5} + 2 = \frac{3}{10}$

10. Solve: $\frac{2}{5} + \frac{x}{10} = \frac{16}{20}$

11. $2\frac{4}{5} \cdot 2\frac{5}{8}$

12. $5\frac{1}{5} \div 3\frac{1}{4}$

13. $7\frac{4}{9} + 3\frac{7}{18}$

14. $5\frac{1}{4} - 2\frac{3}{4}$

15. Evaluate $2x - y$ when $x = \frac{1}{3}$ and $y = \frac{3}{4}$

1. $\frac{-2}{5x}$

2. $\frac{5y}{7}$

3. $\frac{2x-1}{9}$

4.
$$\begin{array}{cc} 25 & 10 \\ \text{LCD} = 5 \cdot 5 \cdot 2 = 50 & \\ \swarrow & \swarrow \searrow \\ 5 & 5 & 5 & 2 \end{array}$$

5.
$$\begin{array}{cc} 18x & 21 \\ \swarrow \searrow & \swarrow \searrow \\ 9 & 2 & 3 & 7 \\ \swarrow \searrow & | & & \\ 3 & 3 & 2x & \end{array}$$

LCD = $2 \cdot 3 \cdot 3 \cdot 7x = 126x$

6. $\frac{-11}{30}$

7. $\frac{77y}{20}$

8. $\frac{x}{2}$

9. $x = \frac{-17}{6}$

10. $x = 4$

11. $\frac{147}{20} = 7\frac{7}{20}$

12. $\frac{8}{5} = 1\frac{3}{5}$

13. $10\frac{5}{6}$

14. $2\frac{1}{2}$

15. $-\frac{1}{12}$

