

Math 021 Review of Fractions

Simplify completely. Reduce all results to lowest terms and rewrite improper fractions as mixed numbers.

1. $1\frac{7}{13} \cdot \frac{2}{8}$ 2. $1\frac{3}{10} \cdot 15$ 3. $24 \div 2\frac{1}{4}$

4. $9\frac{3}{8} - 5\frac{1}{4}$ 5. $50 \div 12\frac{1}{2} \cdot 2$ 6. $1\frac{3}{7} \cdot \frac{8}{15} \div 1\frac{5}{7} - \frac{1}{3}$

7. $(\frac{4}{9} - \frac{1}{4}) \cdot 9 + (3 - 1\frac{2}{3})^2$ 8. $\frac{5}{8} - 1\frac{2}{3} \cdot \frac{3}{10} + 2\frac{6}{7} \div 2\frac{1}{7}$

9. $5 - 2\frac{1}{3} \cdot \frac{3}{4} + \frac{3}{8} \div \frac{2}{3}$ 10. $5\frac{1}{3} \div 1\frac{7}{9} + 8 - 4 \div \frac{2}{3}$

11. $17\frac{5}{8} - 9\frac{2}{3}$ 12. $7 \cdot X = 25$ 13. $37 = 18\frac{4}{5} + X$

14. $24 = 9X$ 15. $\frac{4}{5} \cdot X = 15$ 16. $3\frac{1}{3} \cdot X = 2\frac{2}{9}$

ANSWERS: 1. $\frac{5}{13}$ 2. $19\frac{1}{2}$ 3. $10\frac{2}{3}$ 4. $4\frac{1}{8}$ 5. 8 6. $\frac{1}{9}$ 7. $3\frac{19}{36}$ 8. $1\frac{11}{24}$
9. $3\frac{13}{16}$ 10. 5 11. $7\frac{23}{24}$ 12. $3\frac{4}{7}$ 13. $18\frac{1}{5}$ 14. $2\frac{2}{3}$ 15. $18\frac{3}{4}$ 16. $\frac{2}{3}$