

Fractions 15

Mixed Fraction Review

To multiply mixed fractions we convert to an IMPROPER FRACTIONS.

After multiplying, we convert back to a MIXED NUMBERS.

Directions: Multiply then Reduce all fractions to lowest form.

$$\begin{array}{l}
 1. \quad \frac{26}{7} \times \frac{9}{4} = \frac{41}{63} \\
 2. \quad \frac{17}{3} \times \frac{17}{4} = \frac{11}{3} \\
 3. \quad 2\frac{2}{5} \div 1\frac{3}{7} = \frac{104}{63} = \frac{17}{25} \\
 4. \quad 3\frac{5}{6} \div 3\frac{1}{8} = \frac{4}{3} = 1\frac{1}{3} \\
 5. \quad 6\frac{12}{5} \times \frac{7}{105} = \frac{42}{25} \\
 6. \quad 3\frac{5}{8} \times \frac{6}{7} = 3\frac{3}{28} \\
 7. \quad \frac{1938}{7} \times \frac{33}{126} = \frac{427}{42} = 4\frac{28}{33} \\
 8. \quad 2\frac{9}{11} \times 2\frac{2}{3} = \frac{87}{28} = 8\frac{1}{48} \\
 9. \quad \frac{20}{11} \times \frac{8}{3} = \frac{160}{33} \\
 10. \quad 1\frac{7}{12} \times \frac{11}{4} = \frac{385}{48} = 4\frac{21}{50} \\
 11. \quad 3\frac{12}{13} \times 2\frac{7}{8} = \frac{1173}{104} \\
 12. \quad 1\frac{10}{10} \times 2\frac{3}{5} = \frac{221}{50} = 4\frac{21}{50} \\
 13. \quad \frac{51}{13} \times \frac{23}{8} = \frac{1173}{104} \\
 14. \quad 2\frac{4}{9} - \frac{1}{4} = \frac{104}{36} = 2\frac{28}{36} \\
 15. \quad 2\frac{4}{9} + 3\frac{2}{5} = 5\frac{34}{45} \\
 16. \quad \frac{20}{9} - \frac{1}{4} = \frac{11}{36} \\
 17. \quad 5 + \frac{4}{7} + \frac{2}{5} = 5\frac{34}{35}
 \end{array}$$

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Fractions

Homework

Mixed Fraction Review

To multiply mixed fractions we convert to an IMPROPER FRACTION.

After multiplying, we convert back to a MIXED NUMBER.

Directions: Multiply then Reduce all fractions to lowest form.

$$\begin{array}{l}
 1. \quad 2\frac{6}{7} \div \frac{1}{11} = \boxed{31\frac{3}{7}} \\
 \quad \frac{20}{7} \times \frac{11}{1} = \frac{220}{7} \\
 3. \quad 1\frac{2}{5} \div 2\frac{1}{6} = \boxed{1\frac{42}{65}} \\
 \quad \frac{7}{5} \times \frac{6}{13} = \frac{42}{65} \\
 5. \quad 6\frac{8}{9} \div 2\frac{2}{5} = \boxed{2\frac{47}{54}} \\
 \quad \frac{31}{9} \times \frac{5}{12} = \frac{155}{64} \\
 7. \quad 7\frac{1}{10} \times 4\frac{3}{10} = \boxed{30\frac{53}{100}} \\
 \quad \frac{71}{10} \times \frac{43}{10} = \frac{3053}{100} \\
 9. \quad 2\frac{5}{12} \times 3\frac{2}{7} = \boxed{7\frac{79}{84}} \\
 \quad \frac{29}{12} \times \frac{23}{7} = \frac{667}{84} \\
 11. \quad 2\frac{4}{13} + 3\frac{2}{11} = \boxed{5\frac{70}{143}} \\
 \quad 5\frac{4}{13} + \frac{2}{11} = \frac{70}{143}
 \end{array}
 \quad
 \begin{array}{l}
 2. \quad 3\frac{2}{3} \div 2\frac{1}{5} = \boxed{1\frac{2}{3}} \\
 \quad \frac{11}{3} \times \frac{5}{4} = \frac{55}{12} \\
 4. \quad 3\frac{2}{7} \div 2\frac{3}{8} = \boxed{1\frac{51}{133}} \\
 \quad \frac{23}{7} \times \frac{8}{19} = \frac{184}{133} \\
 6. \quad 1\frac{11}{13} \times 3\frac{3}{4} = \boxed{6\frac{12}{13}} \\
 \quad \frac{624}{13} \times \frac{15}{4} = \frac{90}{13} \\
 8. \quad 2\frac{6}{8} \times 1\frac{5}{8} = \boxed{4\frac{15}{32}} \\
 \quad \frac{11}{8} \times \frac{13}{8} = \frac{143}{32} \\
 10. \quad 4\frac{2}{3} \times 5\frac{1}{7} = \boxed{24} \\
 \quad \frac{214}{3} \times \frac{36}{7} = \frac{12}{7} \\
 12. \quad 4\frac{7}{11} - 2\frac{1}{6} = \boxed{2\frac{31}{66}} \\
 \quad 2\frac{7}{11} - \frac{1}{6} = \frac{31}{66}
 \end{array}$$

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