Fractions 9

Multiplying Fractions

To multiply fractions we multiply straight across.

For adding and subtracting fractions we use rule of four.

Directions: Multiply then Reduce all fractions to lowest form.

1. $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

2. $\frac{2}{3} \times \frac{1}{4} = \frac{2 \div 2}{12 \div 2} = \frac{1}{6}$

3. $\frac{2}{5} \times \frac{3}{7} = \frac{6}{35}$

4. $\frac{5}{6} \times \frac{1}{8} = \frac{5}{48}$

5. $\frac{3}{7} \times \frac{9}{12} = \frac{27 \div 3}{84 \div 3} = \frac{9}{28}$

6. $\frac{5}{8} \times \frac{6}{7} = \frac{30 \div 2}{56 \div 2} = \frac{15}{28}$

7. $\frac{9}{11} \times \frac{2}{3} = \frac{18 \div 3}{33 \div 3} = \frac{6}{11}$

8. $\frac{11}{12} \times \frac{3}{4} = \frac{33 \div 3}{48 \div 3} = \frac{11}{16}$

9. $\frac{12}{13} \times \frac{7}{8} = \frac{84 \div 4}{91 \div 4} = \frac{21}{26}$

10. $\frac{7}{10} \times \frac{3}{5} = \frac{21}{50}$

11. $\frac{5}{9} - \frac{1}{4} = \frac{11}{36}$ (20, 9)

12. $\frac{4}{7} + \frac{2}{5} = \frac{34}{35}$ (20, 14)

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Fractions

Homework

Multiplying Fractions

To multiply fractions we multiply straight across.

For adding and subtracting fractions we use rule of four.

Directions: Multiply then Reduce all fractions to lowest form.

1. $\frac{6}{7} \times \frac{1}{11} = \frac{6}{77}$

2. $\frac{2}{3} \times \frac{1}{5} = \frac{2}{15}$

3. $\frac{2}{5} \times \frac{2}{6} = \frac{4}{30} \div 2 = \frac{2}{15}$

4. $\frac{2}{7} \times \frac{3}{8} = \frac{6}{56} \div 2 = \frac{3}{28}$

5. $\frac{8}{9} \times \frac{2}{5} = \frac{16}{45}$

6. $\frac{11}{13} \times \frac{3}{4} = \frac{33}{52}$

7. $\frac{1}{10} \times \frac{3}{10} = \frac{3}{100}$

8. $\frac{6}{8} \times \frac{5}{8} = \frac{30}{64} \div 2 = \frac{15}{32}$

9. $\frac{5}{12} \times \frac{2}{7} = \frac{10}{84} \div 2 = \frac{5}{42}$

10. $\frac{2}{3} \times \frac{1}{7} = \frac{2}{21}$

11. $\frac{4}{13} \overset{44}{+} \frac{2}{11} \overset{26}{=} \frac{70}{143}$

12. $\frac{7}{11} \overset{42}{-} \frac{1}{6} \overset{11}{=} \frac{31}{66}$

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