MathVine - Pre-Algebra Name_____

Subtracting Fractions Date_____ Period_____

Subtract.

1) $\frac{8}{10} - \frac{6}{10}$

2) $\frac{9}{10} - \frac{2}{10}$

3) $\frac{3}{8} - \frac{7}{8}$

4) $\frac{2}{9} - \frac{9}{9}$

5) $\frac{1}{4} - \frac{3}{4}$

6) $\frac{5}{7} - \frac{2}{4}$

7) $\frac{5}{9} - \frac{2}{5}$

8) $\frac{1}{10} - \frac{2}{2}$

9) $\frac{2}{7} - \frac{5}{7}$

10) $\frac{4}{5} - \frac{2}{5}$

11) $\frac{3}{4} - \frac{2}{2}$

12) $\frac{2}{4} - \frac{5}{6}$

13) $\frac{5}{7} - \frac{9}{10}$

14) $\frac{3}{6} - \frac{1}{6}$

15) $\frac{2}{4} - \frac{4}{7}$

16) $\frac{3}{4} - \frac{2}{8}$

MathVine - Pre-Algebra Name_____

Subtracting Fractions Date_____ Period_____

Subtract.

1) $\frac{8}{10} - \frac{6}{10}$

Answer: $\frac{1}{5}$

2) $\frac{9}{10} - \frac{2}{10}$

Answer: $\frac{7}{10}$

3) $\frac{3}{8} - \frac{7}{8}$

Answer: $-\frac{1}{2}$

4) $\frac{2}{9} - \frac{9}{9}$

Answer: $-\frac{7}{9}$

5) $\frac{1}{4} - \frac{3}{4}$

Answer: $-\frac{1}{2}$

6) $\frac{5}{7} - \frac{2}{4}$

Answer: $\frac{3}{14}$

7) $\frac{5}{9} - \frac{2}{5}$

Answer: $\frac{7}{45}$

8) $\frac{1}{10} - \frac{2}{2}$

Answer: $-\frac{9}{10}$

9) $\frac{2}{7} - \frac{5}{7}$

Answer: $-\frac{3}{7}$

10) $\frac{4}{5} - \frac{2}{5}$

Answer: $\frac{2}{5}$

11) $\frac{3}{4} - \frac{2}{2}$

Answer: $-\frac{1}{4}$

12) $\frac{2}{4} - \frac{5}{6}$

Answer: $-\frac{1}{3}$

13) $\frac{5}{7} - \frac{9}{10}$

Answer: $-\frac{13}{70}$

14) $\frac{3}{6} - \frac{1}{6}$

Answer: $\frac{1}{3}$

15) $\frac{2}{4} - \frac{4}{7}$

Answer: $-\frac{1}{14}$

16) $\frac{3}{4} - \frac{2}{8}$

Answer: $\frac{1}{2}$

MathVine - Pre-Algebra

Name_____

Subtracting Fractions

Date_____ Period_____

Solution Steps

1) $\frac{8}{10} - \frac{6}{10}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{8}{10} - \frac{6}{10} = \frac{2}{10}$

$\frac{2}{10}$ can be reduced, since 2 is a factor of both 2 and 10:

$\frac{2}{10} \div \frac{2}{2} = \frac{1}{5}$

The fraction is now in lowest terms

2) $\frac{9}{10} - \frac{2}{10}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{9}{10} - \frac{2}{10} = \frac{7}{10}$

3) $\frac{3}{8} - \frac{7}{8}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{3}{8} - \frac{7}{8} = -\frac{4}{8}$

$-\frac{4}{8}$ can be reduced, since 4 is a factor of both -4 and 8:

$-\frac{4}{8} \div \frac{4}{4} = -\frac{1}{2}$

The fraction is now in lowest terms

4) $\frac{2}{9} - \frac{9}{9}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{2}{9} - \frac{9}{9} = -\frac{7}{9}$

5) $\frac{1}{4} - \frac{3}{4}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{1}{4} - \frac{3}{4} = -\frac{2}{4}$

$-\frac{2}{4}$ can be reduced, since 2 is a factor of both -2 and 4:

$-\frac{2}{4} \div \frac{2}{2} = -\frac{1}{2}$

The fraction is now in lowest terms

6) $\frac{5}{7} - \frac{2}{4}$

Since these fractions have different denominators, we need to find the least common multiple of the denominators

The least common multiple of 4 and 7 is 28, so we need to multiply to make each of the denominators = 28

$\frac{5}{7} * \frac{4}{4} = \frac{20}{28}$

$-\frac{2}{4} * \frac{7}{7} = -\frac{14}{28}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{20}{28} - \frac{14}{28} = \frac{6}{28}$

$\frac{6}{28}$ can be reduced, since 2 is a factor of both 6 and 28:

$\frac{6}{28} \div \frac{2}{2} = \frac{3}{14}$

The fraction is now in lowest terms

7) $\frac{5}{9} - \frac{2}{5}$

Since these fractions have different denominators, we need to find the least common multiple of the denominators

The least common multiple of 5 and 9 is 45, so we need to multiply to make each of the denominators = 45

$\frac{5}{9} * \frac{5}{5} = \frac{25}{45}$

$-\frac{2}{5} * \frac{9}{9} = -\frac{18}{45}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{25}{45} - \frac{18}{45} = \frac{7}{45}$

8) $\frac{1}{10} - \frac{2}{2}$

Since these fractions have different denominators, we need to find the least common multiple of the denominators

The least common multiple of 2 and 10 is 10, so we need to multiply to make each of the denominators = 10

$\frac{1}{10} * \frac{1}{1} = \frac{1}{10}$

$-\frac{2}{2} * \frac{5}{5} = -\frac{10}{10}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{1}{10} - \frac{10}{10} = -\frac{9}{10}$

9) $\frac{2}{7}-\frac{5}{7}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{2}{7}-\frac{5}{7}=-\frac{3}{7}$

10) $\frac{4}{5}-\frac{2}{5}$

Since these fractions have the same denominator, we can just subtract the numerators

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

11) $\frac{3}{4}-\frac{2}{2}$

Since these fractions have different denominators, we need to find the least common multiple of the denominators

The least common multiple of 2 and 4 is 4, so we need to multiply to make each of the denominators = 4

$\frac{3}{4}*\frac{1}{1}=\frac{3}{4}$

$-\frac{2}{2}*\frac{2}{2}=-\frac{4}{4}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{3}{4}-\frac{4}{4}=-\frac{1}{4}$

12) $\frac{2}{4}-\frac{5}{6}$

Since these fractions have different denominators, we need to find the least common multiple of the denominators

The least common multiple of 4 and 6 is 12, so we need to multiply to make each of the denominators = 12

$\frac{2}{4}*\frac{3}{3}=\frac{6}{12}$

$-\frac{5}{6}*\frac{2}{2}=-\frac{10}{12}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{6}{12}-\frac{10}{12}=-\frac{4}{12}$

$-\frac{4}{12}$ can be reduced, since 4 is a factor of both -4 and 12:

$-\frac{4}{12}\div\frac{4}{4}=-\frac{1}{3}$

The fraction is now in lowest terms

13) $\frac{5}{7} - \frac{9}{10}$

Since these fractions have different denominators, we need to find the least common multiple of the denominators

The least common multiple of 7 and 10 is 70, so we need to multiply to make each of the denominators = 70

$\frac{5}{7} * \frac{10}{10} = \frac{50}{70}$

$-\frac{9}{10} * \frac{7}{7} = -\frac{63}{70}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{50}{70} - \frac{63}{70} = -\frac{13}{70}$

14) $\frac{3}{6} - \frac{1}{6}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{3}{6} - \frac{1}{6} = \frac{2}{6}$

$\frac{2}{6}$ can be reduced, since 2 is a factor of both 2 and 6:

$\frac{2}{6} \div \frac{2}{2} = \frac{1}{3}$

The fraction is now in lowest terms

15) $\frac{2}{4} - \frac{4}{7}$

Since these fractions have different denominators, we need to find the least common multiple of the denominators

The least common multiple of 4 and 7 is 28, so we need to multiply to make each of the denominators = 28

$\frac{2}{4} * \frac{7}{7} = \frac{14}{28}$

$-\frac{4}{7} * \frac{4}{4} = -\frac{16}{28}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{14}{28} - \frac{16}{28} = -\frac{2}{28}$

$-\frac{2}{28}$ can be reduced, since 2 is a factor of both -2 and 28:

$-\frac{2}{28} \div \frac{2}{2} = -\frac{1}{14}$

The fraction is now in lowest terms

16) $\frac{3}{4} - \frac{2}{8}$

Since these fractions have different denominators, we need to find the least common multiple of the denominators

The least common multiple of 4 and 8 is 8, so we need to multiply to make each of the denominators = 8

$\frac{3}{4} * \frac{2}{2} = \frac{6}{8}$

$-\frac{2}{8} * \frac{1}{1} = -\frac{2}{8}$

Since these fractions have the same denominator, we can just subtract the numerators

$\frac{6}{8} - \frac{2}{8} = \frac{4}{8}$

$\frac{4}{8}$ can be reduced, since 4 is a factor of both 4 and 8:

$\frac{4}{8} \div \frac{4}{4} = \frac{1}{2}$

The fraction is now in lowest terms