MathVine - Pre-Algebra Name_____

Subtracting Fractions Date_____ Period_____

Subtract.

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

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

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

4) $\frac{6}{7} - \frac{8}{10}$

5) $\frac{2}{3} - \frac{2}{5}$

6) $\frac{5}{6} - \frac{6}{6}$

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

8) $\frac{1}{5} - \frac{2}{8}$

9) $\frac{8}{10} - \frac{7}{10}$

10) $\frac{5}{8} - \frac{3}{10}$

11) $\frac{3}{5} - \frac{5}{5}$

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

13) $\frac{1}{6} - \frac{4}{9}$

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

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

16) $\frac{5}{10} - \frac{7}{10}$

MathVine - Pre-Algebra Name_____

Subtracting Fractions Date_____ Period_____

Subtract.

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

Answer: $-\frac{4}{7}$

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

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

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

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

4) $\frac{6}{7} - \frac{8}{10}$

Answer: $\frac{2}{35}$

5) $\frac{2}{3} - \frac{2}{5}$

Answer: $\frac{4}{15}$

6) $\frac{5}{6} - \frac{6}{6}$

Answer: $-\frac{1}{6}$

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

Answer: $-\frac{1}{10}$

8) $\frac{1}{5} - \frac{2}{8}$

Answer: $-\frac{1}{20}$

9) $\frac{8}{10} - \frac{7}{10}$

Answer: $\frac{1}{10}$

10) $\frac{5}{8} - \frac{3}{10}$

Answer: $\frac{13}{40}$

11) $\frac{3}{5} - \frac{5}{5}$

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

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

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

13) $\frac{1}{6} - \frac{4}{9}$

Answer: $-\frac{5}{18}$

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

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

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

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

16) $\frac{5}{10} - \frac{7}{10}$

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

MathVine - Pre-Algebra

Name_____

Subtracting Fractions

Date_____ Period_____

Solution Steps

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

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

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

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

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

$\frac{8}{10} * \frac{1}{1} = \frac{8}{10}$

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

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

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

$-\frac{2}{10}$ 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

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

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

$\frac{1}{2} * \frac{2}{2} = \frac{2}{4}$

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

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

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

4) $\frac{6}{7} - \frac{8}{10}$

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

$\frac{6}{7} * \frac{10}{10} = \frac{60}{70}$

$-\frac{8}{10} * \frac{7}{7} = -\frac{56}{70}$

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

$\frac{60}{70} - \frac{56}{70} = \frac{4}{70}$

$\frac{4}{70}$ can be reduced, since 2 is a factor of both 4 and 70:

$\frac{4}{70} \div \frac{2}{2} = \frac{2}{35}$

The fraction is now in lowest terms

5) $\frac{2}{3} - \frac{2}{5}$

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

The least common multiple of 3 and 5 is 15, so we need to multiply to make each of the denominators = 15

$\frac{2}{3} * \frac{5}{5} = \frac{10}{15}$

$-\frac{2}{5} * \frac{3}{3} = -\frac{6}{15}$

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

$\frac{10}{15} - \frac{6}{15} = \frac{4}{15}$

6) $\frac{5}{6} - \frac{6}{6}$

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

$\frac{5}{6} - \frac{6}{6} = -\frac{1}{6}$

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

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

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

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

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

$\frac{63}{70} - \frac{70}{70} = -\frac{7}{70}$

$-\frac{7}{70}$ can be reduced, since 7 is a factor of both -7 and 70:

$-\frac{7}{70} \div \frac{7}{7} = -\frac{1}{10}$

The fraction is now in lowest terms

8) $\frac{1}{5} - \frac{2}{8}$

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

The least common multiple of 5 and 8 is 40, so we need to multiply to make each of the denominators = 40

$\frac{1}{5} * \frac{8}{8} = \frac{8}{40}$

$-\frac{2}{8} * \frac{5}{5} = -\frac{10}{40}$

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

$\frac{8}{40} - \frac{10}{40} = -\frac{2}{40}$

$-\frac{2}{40}$ can be reduced, since 2 is a factor of both -2 and 40:

$-\frac{2}{40} \div \frac{2}{2} = -\frac{1}{20}$

The fraction is now in lowest terms

9) $\frac{8}{10} - \frac{7}{10}$

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

$\frac{8}{10} - \frac{7}{10} = \frac{1}{10}$

10) $\frac{5}{8} - \frac{3}{10}$

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

The least common multiple of 8 and 10 is 40, so we need to multiply to make each of the denominators = 40

$\frac{5}{8} * \frac{5}{5} = \frac{25}{40}$

$-\frac{3}{10} * \frac{4}{4} = -\frac{12}{40}$

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

$\frac{25}{40} - \frac{12}{40} = \frac{13}{40}$

11) $\frac{3}{5} - \frac{5}{5}$

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

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

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

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

13) $\frac{1}{6} - \frac{4}{9}$

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

The least common multiple of 6 and 9 is 18, so we need to multiply to make each of the denominators = 18

$\frac{1}{6} * \frac{3}{3} = \frac{3}{18}$

$-\frac{4}{9} * \frac{2}{2} = -\frac{8}{18}$

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

$\frac{3}{18} - \frac{8}{18} = -\frac{5}{18}$

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

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

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

$\frac{4}{8}$ 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

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

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

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

$-\frac{2}{4}$ 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

16) $\frac{5}{10} - \frac{7}{10}$

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

$\frac{5}{10} - \frac{7}{10} = -\frac{2}{10}$

$-\frac{2}{10}$ 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