

Adding and Subtracting Fractions with Denominators that are Multiples

Aim: To add and subtract fractions with denominators that are multiples.

For each fraction write a pair of fractions with different denominators that are multiples that total the given fraction.

1. $\underline{\quad} + \underline{\quad} = \frac{2}{3}$

6. $\underline{\quad} + \underline{\quad} = \frac{7}{10}$

2. $\underline{\quad} + \underline{\quad} = \frac{3}{4}$

7. $\underline{\quad} + \underline{\quad} = \frac{9}{10}$

3. $\underline{\quad} + \underline{\quad} = \frac{5}{6}$

8. $\underline{\quad} + \underline{\quad} = \frac{7}{12}$

4. $\underline{\quad} + \underline{\quad} = \frac{3}{8}$

9. $\underline{\quad} + \underline{\quad} = \frac{13}{15}$

5. $\underline{\quad} + \underline{\quad} = \frac{5}{8}$

10. $\underline{\quad} + \underline{\quad} = \frac{17}{20}$

For each fraction write a pair of fractions with different denominators that are multiples where the difference is the given fraction.

1. $\underline{\quad} - \underline{\quad} = \frac{1}{3}$

6. $\underline{\quad} - \underline{\quad} = \frac{3}{10}$

2. $\underline{\quad} - \underline{\quad} = \frac{1}{4}$

7. $\underline{\quad} - \underline{\quad} = \frac{7}{10}$

3. $\underline{\quad} - \underline{\quad} = \frac{2}{6}$

8. $\underline{\quad} - \underline{\quad} = \frac{5}{12}$

4. $\underline{\quad} - \underline{\quad} = \frac{1}{8}$

9. $\underline{\quad} - \underline{\quad} = \frac{8}{15}$

5. $\underline{\quad} - \underline{\quad} = \frac{3}{8}$

10. $\underline{\quad} - \underline{\quad} = \frac{9}{20}$

Adding and Subtracting Fractions with Denominators that are Multiples - Possible Answers

Aim: To add and subtract fractions with denominators that are multiples.

For each fraction write a pair of fractions with different denominators that are multiples that total the given fraction.

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

6. $\frac{1}{2} + \frac{2}{10} = \frac{7}{10}$

2. $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$

7. $\frac{4}{5} + \frac{1}{10} = \frac{9}{10}$

3. $\frac{2}{3} + \frac{1}{6} = \frac{5}{6}$

8. $\frac{1}{2} + \frac{1}{12} = \frac{7}{12}$

4. $\frac{1}{4} + \frac{1}{8} = \frac{3}{8}$

9. $\frac{2}{5} + \frac{7}{15} = \frac{13}{15}$

5. $\frac{1}{2} + \frac{1}{8} = \frac{5}{8}$

10. $\frac{3}{4} + \frac{1}{10} = \frac{17}{20}$

For each fraction write a pair of fractions with different denominators that are multiples where the difference is the given fraction.

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

6. $\frac{3}{5} - \frac{3}{10} = \frac{3}{10}$

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

7. $\frac{4}{5} - \frac{1}{10} = \frac{7}{10}$

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

8. $\frac{5}{6} - \frac{5}{12} = \frac{5}{12}$

4. $\frac{1}{4} - \frac{1}{8} = \frac{1}{8}$

9. $\frac{4}{5} - \frac{4}{15} = \frac{8}{15}$

5. $\frac{1}{2} - \frac{1}{8} = \frac{3}{8}$

10. $\frac{4}{5} - \frac{7}{20} = \frac{9}{20}$