



# CCSS Mathematics - Answer Keys for Grade 5

CCSS.Math.Content.5.NF.A.1 - Answer Key for Worksheet #19622

## Answer Key

## Standard: CCSS.Math.Content.5.NF.A.1

Description: Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators. For example,  $2/3 + 5/4 = 8/12 + 15/12 = 23/12$ . (In general,  $a/b + c/d = (ad + bc)/bd$ .)

### Subtract improper and proper fractions with unlike denominator:

<p><b>1.</b></p> $\frac{81}{12} - \frac{2}{7} =$ <p><b>Answer:</b></p> $\frac{13}{6} - \frac{2}{7} = \frac{91}{42} - \frac{12}{42} = \frac{79}{42}$	<p><b>6.</b></p> $\frac{12}{8} - \frac{1}{6} =$ <p><b>Answer:</b></p> $\frac{3}{2} - \frac{1}{6} = \frac{9}{6} - \frac{1}{6} = \frac{8}{6} = \frac{4}{3}$
<p><b>2.</b></p> $\frac{76}{10} - \frac{1}{2} =$ <p><b>Answer:</b></p> $\frac{38}{5} - \frac{1}{2} = \frac{76}{10} - \frac{5}{10} = \frac{71}{10}$	<p><b>7.</b></p> $\frac{19}{2} - \frac{1}{4} =$ <p><b>Answer:</b></p> $\frac{19}{2} - \frac{1}{4} = \frac{38}{4} - \frac{1}{4} = \frac{37}{4}$
<p><b>3.</b></p> $\frac{99}{10} - \frac{1}{2} =$ <p><b>Answer:</b></p> $\frac{99}{10} - \frac{1}{2} = \frac{99}{10} - \frac{5}{10} = \frac{94}{10} = \frac{47}{5}$	<p><b>8.</b></p> $\frac{17}{2} - \frac{1}{12} =$ <p><b>Answer:</b></p> $\frac{17}{2} - \frac{1}{12} = \frac{102}{12} - \frac{1}{12} = \frac{101}{12}$
<p><b>4.</b></p> $\frac{5}{2} - \frac{1}{7} =$ <p><b>Answer:</b></p> $\frac{5}{2} - \frac{1}{7} = \frac{35}{14} - \frac{2}{14} = \frac{33}{14}$	<p><b>9.</b></p> $\frac{19}{3} - \frac{1}{10} =$ <p><b>Answer:</b></p> $\frac{19}{3} - \frac{1}{10} = \frac{190}{30} - \frac{3}{30} = \frac{187}{30}$

9.

$$\begin{array}{r} 53 \ 1 \\ \text{---} \ \text{---} = \\ 6 \ 3 \end{array}$$

**Answer:**

$$\begin{array}{r} 1 \\ 8 \ \text{---} \\ 2 \end{array}$$

10.

$$\begin{array}{r} 9 \ 2 \\ \text{---} \ \text{---} = \\ 2 \ 4 \end{array}$$

**Answer:**

$$4$$

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