



Adding and Subtracting Fractions with Like Denominators

EXAMPLES

$$1. \frac{3}{4} + \frac{5}{4} = \frac{3+5}{4} = \frac{8}{4} = 2$$

$$2. \frac{13}{18} - \frac{5}{18} = \frac{13-5}{18} = \frac{8}{18} = \frac{4}{9}$$

$$3. 3\frac{1}{4} - 2\frac{3}{4} = \frac{13}{4} - \frac{11}{4} = \frac{13-11}{4} = \frac{2}{4} = \frac{1}{2}$$



Find the answers mentally.

$$\textcircled{1} \quad \frac{5}{7} - \frac{3}{7} = \underline{\hspace{2cm}}$$

$$\textcircled{2} \quad \frac{5}{7} + \frac{1}{7} = \underline{\hspace{2cm}}$$

$$\textcircled{3} \quad \frac{12}{13} - \frac{5}{13} = \underline{\hspace{2cm}}$$

$$\textcircled{4} \quad \frac{3}{9} + \frac{5}{9} = \underline{\hspace{2cm}}$$

$$\textcircled{5} \quad \frac{5}{6} - \frac{5}{6} = \underline{\hspace{2cm}}$$

$$\textcircled{6} \quad \frac{15}{18} + \frac{2}{18} = \underline{\hspace{2cm}}$$

$$\textcircled{7} \quad \frac{18}{10} - \frac{9}{10} = \underline{\hspace{2cm}}$$

$$\textcircled{8} \quad \frac{25}{27} - \frac{2}{27} = \underline{\hspace{2cm}}$$

$$\textcircled{9} \quad \frac{13}{11} - \frac{12}{11} = \underline{\hspace{2cm}}$$

$$\textcircled{10} \quad \frac{27}{45} + \frac{11}{45} = \underline{\hspace{2cm}}$$

$$\textcircled{11} \quad \frac{8}{11} + \frac{2}{11} = \underline{\hspace{2cm}}$$

$$\textcircled{12} \quad \frac{11}{35} + \frac{13}{35} = \underline{\hspace{2cm}}$$

$$\textcircled{13} \quad \frac{19}{28} + \frac{8}{28} = \underline{\hspace{2cm}}$$

$$\textcircled{14} \quad \frac{132}{144} + \frac{11}{144} = \underline{\hspace{2cm}}$$

$$\textcircled{15} \quad \frac{92}{100} - \frac{89}{100} = \underline{\hspace{2cm}}$$

$$\textcircled{16} \quad \frac{8}{9} - \frac{2}{9} - \frac{1}{9} = \underline{\hspace{2cm}}$$

$$\textcircled{17} \quad \frac{11}{15} + \frac{1}{15} + \frac{2}{15} = \underline{\hspace{2cm}}$$

$$\textcircled{18} \quad \frac{3}{8} + \frac{1}{8} + \frac{3}{8} = \underline{\hspace{2cm}}$$

$$\textcircled{19} \quad \frac{7}{12} + \frac{1}{12} - \frac{3}{12} = \underline{\hspace{2cm}}$$

- To add or subtract fractions with like denominators, add or subtract the numerators and leave the denominator the same.
- To add or subtract mixed numbers, either change the mixed numbers to improper fractions before adding or subtracting or add/subtract the whole numbers and fractions separately.
- Remember to simplify the final answer.

Find the sums and differences. Reduce the answers to lowest terms.

$$\textcircled{20} \quad \frac{19}{20} - \frac{9}{20} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{21} \quad \frac{15}{16} + \frac{1}{16} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{22} \quad \frac{29}{30} - \frac{9}{30} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{23} \quad \frac{13}{5} + \frac{7}{5} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{24} \quad \frac{26}{11} - \frac{4}{11} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{25} \quad \frac{15}{18} - \frac{5}{18} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{26} \quad \frac{15}{14} - \frac{8}{14} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{27} \quad \frac{13}{21} + \frac{1}{21} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{28} \quad \frac{21}{28} + \frac{3}{28} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{29} \quad \frac{17}{100} + \frac{23}{100} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{30} \quad \frac{11}{54} - \frac{2}{54} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{31} \quad \frac{8}{56} - \frac{1}{56} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{32} \quad \frac{7}{56} + \frac{9}{56} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{33} \quad \frac{41}{40} - \frac{21}{40} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{34} \quad \frac{77}{50} - \frac{2}{50} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{35} \quad \frac{17}{25} + \frac{3}{25} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{36} \quad \frac{29}{74} + \frac{17}{74} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{37} \quad \frac{13}{80} + \frac{27}{80} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{38} \quad \frac{19}{35} + \frac{11}{35} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\textcircled{39} \quad \frac{27}{42} - \frac{13}{42} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Do only those questions that have an answer between 1 and 2. Then list the answers from least to greatest in $\textcircled{49}$ using $<$.

$$\textcircled{40} \quad \frac{3}{8} + \frac{4}{8} = \underline{\hspace{2cm}}$$

$$\textcircled{41} \quad \frac{9}{8} - \frac{3}{8} = \underline{\hspace{2cm}}$$

$$\textcircled{42} \quad \frac{11}{16} + \frac{7}{16} = \underline{\hspace{2cm}}$$

$$\textcircled{43} \quad \frac{15}{6} - \frac{11}{6} = \underline{\hspace{2cm}}$$

$$\textcircled{44} \quad \frac{15}{2} - \frac{9}{2} = \underline{\hspace{2cm}}$$

$$\textcircled{45} \quad \frac{9}{10} + \frac{8}{10} = \underline{\hspace{2cm}}$$

$$\textcircled{46} \quad \frac{27}{32} + \frac{19}{32} = \underline{\hspace{2cm}}$$

$$\textcircled{47} \quad \frac{25}{12} - \frac{5}{12} = \underline{\hspace{2cm}}$$

$$\textcircled{48} \quad \frac{1}{9} + \frac{7}{9} = \underline{\hspace{2cm}}$$

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