

Name \_\_\_\_\_ Date \_\_\_\_\_

# Adding Mixed Numbers

FACTORS AND FRACTIONS

$$3\frac{1}{2} + 3\frac{1}{3} = \frac{7}{2} + \frac{7}{3} = \frac{21}{6} + \frac{14}{6} = \frac{35}{6} = 5\frac{5}{6}$$

Solve.

①  $4\frac{1}{8} + 2\frac{3}{4} = 6\frac{7}{8}$  or  $\frac{55}{8}$

②  $5\frac{2}{6} + 3\frac{1}{9} = 8\frac{4}{9}$  or  $\frac{76}{9}$

③  $7\frac{4}{5} + 8\frac{2}{15} = 15\frac{14}{15}$  or  $\frac{239}{15}$

④  $3\frac{1}{9} + 3\frac{3}{4} = 6\frac{31}{36}$  or  $\frac{247}{36}$

⑤  $6\frac{5}{8} + 9\frac{1}{12} = 15\frac{17}{24}$  or  $\frac{377}{24}$

⑥  $8\frac{2}{5} + 3\frac{2}{3} = 12\frac{1}{15}$  or  $\frac{181}{15}$

⑦  $7\frac{1}{4} + 6\frac{2}{5} = 13\frac{13}{20}$  or  $\frac{273}{20}$

⑧  $9\frac{1}{12} + 9\frac{1}{3} = 18\frac{5}{12}$  or  $\frac{221}{12}$

⑨  $14\frac{2}{3} + 12\frac{1}{2} = 27\frac{1}{6}$  or  $\frac{163}{6}$

⑩  $4\frac{7}{8} + 2\frac{9}{10} = 7\frac{31}{40}$  or  $\frac{311}{40}$

⑪  $7\frac{4}{7} + 5\frac{5}{7} = 13\frac{2}{7}$  or  $\frac{93}{7}$

⑫  $5\frac{4}{9} + 3\frac{2}{3} = 9\frac{1}{9}$  or  $\frac{82}{9}$

⑬  $7\frac{12}{13} + 5\frac{1}{10} = 13\frac{3}{130}$  or  $\frac{1693}{130}$

⑭  $3\frac{1}{12} + 6\frac{4}{9} = 9\frac{19}{36}$  or  $\frac{343}{36}$

⑮  $3\frac{5}{9} + 8\frac{7}{16} = 11\frac{143}{144}$   
 $= \frac{1727}{144}$

⑯  $5\frac{4}{5} + 7\frac{3}{8} = 13\frac{7}{40}$  or  $\frac{527}{40}$

⑰  $5\frac{4}{9} + 3\frac{3}{7} = 8\frac{55}{63}$  or  $\frac{559}{63}$

⑱  $6\frac{1}{5} + 9\frac{4}{7} = 15\frac{27}{35}$   
 $= \frac{552}{35}$

# Subtracting Mixed Numbers

FACTORS AND FRACTIONS

$$3\frac{1}{2} - 2\frac{3}{4} = \frac{7}{2} - \frac{11}{4} = \frac{14}{4} - \frac{11}{4} = \frac{3}{4}$$

olve.

- 1  $5\frac{1}{8} - 2\frac{3}{4} = 2\frac{3}{8}$  or  $\frac{19}{8}$
- 2  $9\frac{4}{15} - 6\frac{1}{5} = 3\frac{1}{15}$  or  $\frac{46}{15}$
- 3  $5\frac{4}{9} - 3\frac{1}{3} = 2\frac{1}{9}$  or  $\frac{19}{9}$
- 4  $7\frac{3}{8} - 5\frac{7}{24} = 2\frac{1}{12}$  or  $\frac{25}{12}$
- 5  $8\frac{7}{16} - 3\frac{5}{24} = 5\frac{11}{48}$  or  $\frac{251}{48}$
- 6  $6\frac{4}{9} - 3\frac{1}{12} = 3\frac{13}{36}$  or  $\frac{121}{36}$
- 7  $\frac{9}{10} - 5\frac{4}{10} = \text{skip}$
- 8  $5\frac{4}{9} - 2\frac{1}{6} = 3\frac{5}{18}$  or  $\frac{59}{18}$
- 9  $7\frac{4}{7} - 1\frac{5}{14} = 6\frac{3}{14}$  or  $\frac{87}{14}$
- 10  $4\frac{7}{8} - 3\frac{1}{2} = 1\frac{3}{8}$  or  $\frac{11}{8}$
- 11  $14\frac{2}{3} - 12\frac{1}{2} = 2\frac{1}{6}$  or  $\frac{13}{6}$
- 12  $9\frac{1}{3} - 4\frac{1}{6} = 5\frac{1}{6}$  or  $\frac{31}{6}$
- 13  $7\frac{3}{4} - 6\frac{2}{5} = 1\frac{7}{20}$  or  $\frac{27}{20}$
- 14  $8\frac{2}{5} - 5\frac{7}{20} = 3\frac{1}{20}$  or  $\frac{61}{20}$
- 15  $9\frac{5}{12} - 4\frac{2}{9} = 5\frac{7}{36}$  or  $\frac{187}{36}$
- 16  $3\frac{3}{4} - 1\frac{1}{8} = 2\frac{5}{8}$  or  $\frac{21}{8}$
- 17  $8\frac{2}{15} - 4\frac{4}{45} = 4\frac{2}{45}$  or  $\frac{182}{45}$
- 18  $5\frac{1}{3} - 4\frac{1}{3} = 1$

Name \_\_\_\_\_

### Addition and Subtraction of Fractions Practice

# 54

Add or subtract.

$$\textcircled{1} \quad \frac{4}{5} + \frac{3}{5} = \frac{7}{5} \text{ or } 1\frac{2}{5} \quad \frac{4}{13} + \frac{9}{13} = 1$$

$$\frac{15}{73} - \frac{8}{73} = \frac{7}{73}$$

$$\frac{14}{27} - \frac{23}{27} = -\frac{1}{3}$$

$$\textcircled{2} \quad \frac{27}{39} - \frac{16}{39} = \frac{11}{39}$$

$$\frac{17}{32} + \frac{9}{32} = \frac{13}{16}$$

$$\frac{115}{326} - \frac{72}{326} = \frac{43}{326}$$

$$\frac{64}{92} + \frac{82}{92} = \frac{73}{46} \text{ or } 1\frac{27}{46}$$

$$\textcircled{3} \quad \frac{3}{8} + \frac{1}{3} = \frac{17}{24}$$

$$\frac{4}{5} - \frac{1}{6} = \frac{19}{30}$$

$$\frac{3}{16} + \frac{3}{8} = \frac{9}{16}$$

$$\frac{4}{9} + \frac{1}{4} = \frac{25}{36}$$

$$\textcircled{4} \quad \frac{3}{13} + \frac{5}{26} = \frac{11}{26}$$

$$\frac{7}{12} - \frac{1}{8} = \frac{11}{24}$$

$$\frac{3}{8} - \frac{2}{5} = -\frac{1}{40}$$

$$\frac{6}{7} - \frac{1}{2} = \frac{5}{14}$$

$$\textcircled{5} \quad \frac{7}{9} - \frac{1}{2} = \frac{5}{18}$$

$$\frac{7}{8} - \frac{3}{4} = \frac{1}{8}$$

$$\frac{3}{7} + \frac{1}{2} = \frac{13}{14}$$

$$\frac{2}{3} - \frac{1}{5} = \frac{7}{15}$$

$$\textcircled{6} \quad \frac{9}{16} + \frac{1}{3} = \frac{43}{48}$$

$$\frac{5}{8} + \frac{2}{3} = \frac{31}{24} \text{ or } 1\frac{7}{24}$$

$$\frac{16}{35} - \frac{4}{5} = -\frac{12}{35}$$

$$\frac{7}{10} - \frac{1}{2} = \frac{1}{5}$$

Name \_\_\_\_\_

## Addition and Subtraction of Fractions Practice

55

Add or subtract.

$$\textcircled{1} \quad \frac{1}{2} - \frac{1}{9} = \frac{7}{18}$$

$$\frac{7}{10} - \frac{2}{5} = \frac{3}{10}$$

$$\frac{7}{8} - \frac{2}{7} = \frac{33}{56}$$

$$\frac{5}{12} + \frac{3}{16} = \frac{29}{48}$$

$$\textcircled{2} \quad \frac{7}{8} - \frac{11}{16} = \frac{3}{16}$$

$$\frac{8}{9} + \frac{5}{8} = \frac{109}{72}$$

$$\frac{3}{5} - \frac{3}{16} = \frac{33}{80}$$

$$\frac{8}{9} + \frac{6}{12} = \frac{25}{18}$$

$$\textcircled{3} \quad \frac{3}{10} - \frac{3}{15} = \frac{1}{10}$$

$$\frac{11}{12} - \frac{1}{4} = \frac{2}{3}$$

$$\frac{1}{6} + \frac{1}{8} = \frac{7}{24}$$

$$\frac{5}{6} - \frac{1}{9} = \frac{13}{18}$$

$$\textcircled{4} \quad \frac{7}{8} - \left(-\frac{3}{8}\right) = \frac{5}{4}$$

$$-\frac{4}{9} + \frac{5}{9} = \frac{1}{9}$$

$$-\frac{4}{7} - \left(-\frac{2}{7}\right) = -\frac{2}{7}$$

$$-\frac{5}{6} - \left(-\frac{1}{6}\right) = -\frac{2}{3}$$

$$\textcircled{5} \quad -\frac{3}{8} + \frac{5}{8} = \frac{5}{4}$$

$$-\frac{3}{14} + \frac{7}{14} = \frac{9}{7}$$

$$-\frac{2}{3} - \left(-\frac{1}{2}\right) = -\frac{1}{6}$$

$$-\frac{5}{8} - \left(-\frac{1}{5}\right) = -\frac{17}{40}$$

$$\textcircled{6} \quad -\frac{9}{12} - \left(-\frac{5}{12}\right) = \frac{2}{3}$$

$$\frac{5}{9} - \left(-\frac{3}{9}\right) = \frac{34}{9}$$

$$-\frac{3}{25} + 2\frac{7}{25} = \frac{54}{25}$$

$$-\frac{6}{7} + 2\frac{2}{7} = \frac{10}{7}$$