

BOOK

$$37) 4\frac{5}{16} + 11\frac{1}{4} \cdot \frac{4}{4}$$

$$= 4\frac{5}{16} + 11\frac{4}{16}$$

$$= 15\frac{9}{16}$$

$$40) 7\frac{1}{6} + 3\frac{5}{8}$$

$$= 7\frac{1}{6} \cdot \frac{4}{4} + 3\frac{5}{8} \cdot \frac{3}{3}$$

$$= 7\frac{4}{24} + 3\frac{15}{24}$$

$$= 10\frac{19}{24}$$

$$49) 6\frac{3}{4} + 7\frac{3}{4}$$

$$= 13\frac{6}{4}$$

$$= 13\frac{3}{2}$$

$$= 14\frac{1}{2}$$

$$\left| \frac{3}{2} = 1\frac{1}{2} \right.$$

$$* 2\frac{6}{5} \quad \left| \frac{6}{5} = 1\frac{1}{5} \right.$$

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

$$= 3\frac{1}{5}$$

$$47) 7\frac{5}{3}$$

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

$$= 8\frac{2}{3}$$

$$\left| \frac{5}{3} = 1\frac{2}{3} \right.$$

$$51) 14\frac{7}{8} + 8\frac{1}{4} \cdot \frac{2}{2}$$

$$= 14\frac{7}{8} + 8\frac{2}{8}$$

$$= 22\frac{9}{8}$$

$$= 22 + 1\frac{1}{8}$$

$$= 23\frac{1}{8}$$

$$\left| \frac{9}{8} = 1\frac{1}{8} \right.$$

$$53) 3\frac{7}{16} + 15\frac{11}{12}$$

$$= 3\frac{7}{16} \cdot \frac{3}{3} + 15\frac{11}{12} \cdot \frac{4}{4}$$

$$= 3\frac{21}{48} + 15\frac{44}{48}$$

$$= 18\frac{65}{48}$$

$$= 18 + 1\frac{17}{48}$$

$$= 19\frac{17}{48}$$

$$\left| \frac{65}{48} = 1\frac{17}{48} \right.$$

$$* 9\frac{5}{6} + \frac{3}{4}$$

$$= 9\frac{10}{12} + \frac{9}{12}$$

$$= 9\frac{19}{12}$$

$$= 9 + 1\frac{7}{12}$$

$$= 10\frac{7}{12}$$

$$\left| \frac{19}{12} = 1\frac{7}{12} \right.$$

$$* \frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$$

$$\frac{5}{6} - \frac{7}{6} = \frac{-2}{6} = -\frac{1}{3}$$

$$67) 25\frac{1}{4} - 13\frac{3}{4}$$

$$= 24 + 1\frac{1}{4} - 13\frac{3}{4}$$

$$= 24\frac{5}{4} - 13\frac{3}{4}$$

$$= 11\frac{2}{4}$$

$$= 11\frac{1}{2}$$

$$\text{or, } 25\frac{1}{4} - 13\frac{3}{4}$$

$$= \frac{101}{4} - \frac{55}{4}$$

$$= \frac{46}{4}$$

$$= \frac{23}{2}$$

$$= 11\frac{1}{2}$$

$$62) 345\frac{3}{5} + 84\frac{7}{10}$$

$$= 345\frac{6}{10} + 84\frac{7}{10}$$

$$= 429\frac{13}{10}$$

$$= 429 + 1\frac{3}{10}$$

$$= 430\frac{3}{10}$$

$$\left| \frac{13}{10} = 1\frac{3}{10} \right.$$

$$68) 36\frac{1}{5} - 12\frac{3}{5}$$

$$= 35 + 1\frac{1}{5} - 12\frac{3}{5}$$

$$= 35\frac{6}{5} - 12\frac{3}{5}$$

$$= 23\frac{3}{5}$$

$$69) 17\frac{1}{6} - 15\frac{5}{12}$$

$$= 17\frac{1}{6} \cdot \frac{2}{2} - 15\frac{5}{12}$$

$$= 17\frac{2}{12} - 15\frac{5}{12}$$

$$= 16 + 1\frac{2}{12} - 15\frac{5}{12}$$

$$= 16\frac{14}{12} - 15\frac{5}{12}$$

$$= 1\frac{9}{12}$$

$$= 1\frac{3}{4}$$