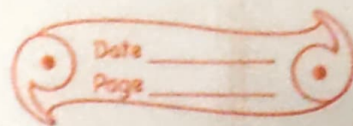


HW
3.9.10

Ex 9(B)



1. Add.

$$e. \frac{5}{16} + \frac{7}{10} + \frac{2}{5}$$

$$= \frac{25 + 56 + 32}{80}$$

$$= \frac{113}{80} = 1 \frac{33}{80}$$

$$f. \frac{16}{25} + \frac{9}{10} + \frac{3}{8}$$

$$= \frac{128 + 180 + 75}{200}$$

$$= \frac{383}{200} = 1 \frac{183}{200}$$

$$g. \frac{11}{4} + 3\frac{3}{8}$$

$$= \frac{11}{4} + \frac{27}{8}$$

$$= \frac{22 + 27}{8} = \frac{49}{8} = 6\frac{1}{8}$$

$$h. \frac{31}{3} + \frac{75}{6} + 5\frac{1}{2}$$

$$= \frac{10}{3} + \frac{47}{6} + \frac{11}{2}$$

$$= \frac{20 + 47 + 33}{6}$$

$$= \frac{100}{6} = 16\frac{4}{6}$$

$$i. \quad 6\frac{5}{14} + 20 + 7\frac{3}{7} + 8\frac{7}{12}$$

$$= \frac{89}{14} + \frac{20}{1} + \frac{52}{7} + \frac{103}{12}$$

$$= \frac{534 + 1680 + 624 + 721}{84}$$

$$= \frac{2562}{84}$$

2. Subtract the following fractions:

$$e. \quad \frac{7}{9} - \frac{4}{15}$$

$$\frac{7 \times 5 - 4 \times 3}{45} = \frac{35 - 12}{45} = \frac{23}{45}$$

$$f. \quad \frac{16}{27} - \frac{7}{18}$$

$$\frac{16 \times 2 - 7 \times 3}{54} = \frac{32 - 21}{54} = \frac{11}{54}$$

$$g. 13\frac{7}{9} - 8\frac{5}{12}$$

$$\frac{124}{9} - \frac{101}{12}$$

$$\frac{124 \times 4 - 101 \times 3}{36} = \frac{496 - 303}{36} = \frac{193}{36}$$

$$h. 6\frac{3}{17} - 4$$

$$\frac{105}{17} - 4$$

$$\frac{105 - 68}{17} = \frac{37}{17}$$

$$i. 30\frac{3}{4} - 25$$

$$\frac{123}{4} - \frac{25}{1}$$

$$\frac{123 - 100}{4} = \frac{23}{4}$$

$$j. \quad 20 \frac{7}{12} - 15$$

$$\frac{247 - 15}{12} = 1$$

$$\frac{247 - 180}{12} = \frac{67}{12}$$