

$$1. a) \frac{5}{6} + \frac{7}{12}$$

$$\frac{5 \times 2 + 7 \times 1}{12} = \frac{10 + 7}{12} = \frac{17}{12}$$

$$b) \frac{4}{5} + \frac{3}{10} + \frac{1}{2}$$

$$\frac{4 \times 2 + 3 \times 1 + 1 \times 5}{10} = \frac{8 + 3 + 5}{10} = \frac{16}{10}$$

$$c) \frac{5}{6} + \frac{7}{12} + \frac{5}{24}$$

$$\frac{5 \times 4 + 7 \times 2 + 5 \times 1}{24} = \frac{20 + 14 + 5}{24} = \frac{39}{24}$$

$$d) \frac{2}{7} + \frac{3}{5} + \frac{1}{2}$$

$$\frac{2 \times 10 + 3 \times 14 + 1 \times 35}{70} = \frac{20 + 42 + 35}{70} = \frac{97}{70}$$

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

$$\frac{5 \times 5 + 7 \times 8 + 2 \times 16}{80} = \frac{25 + 56 + 32}{80} = \frac{113}{80}$$

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

$$\frac{16 \times 8 + 9 \times 20 + 3 \times 25}{200} = \frac{128 + 180 + 75}{200} = \frac{221}{200}$$

$$g) 1\frac{1}{4} + 3\frac{3}{8} = \frac{5}{4} + \frac{27}{8}$$

$$\frac{5 \times 2 + 27 \times 1}{8}$$

$$= \frac{10 + 27}{8} = \frac{37}{8} = 4\frac{5}{8}$$

$$h) 3\frac{1}{3} + 7\frac{5}{6} + 5\frac{1}{2} = \frac{10}{3} + \frac{47}{6} + \frac{11}{2}$$

$$\frac{10 \times 2 + 47 \times 1 + 11 \times 3}{6} = \frac{20 + 47 + 33}{6} = \frac{100}{6}$$



$$i) \quad 6\frac{5}{14} + 20 + 7\frac{2}{7} + 8\frac{7}{12} = \frac{89}{14} + \frac{20}{1} + \frac{52}{7} + \frac{103}{12}$$

$$\underline{6 \times 89 + 84 \times 20 + 12 \times 52 + 7 \times 103}$$

84

$$\underline{534 + 1680 + 624 + 721}$$

84

3559

84