

$$1) a) \frac{7}{8} + \frac{5}{8} = \frac{12}{8} = 1\frac{4}{8} = \underline{\underline{1\frac{1}{2}}}$$

$$b) 3 + 2\frac{5}{11} = \underline{\underline{5\frac{5}{11}}}$$

$$c) \frac{3}{8} + \frac{5}{6} = \frac{9}{24} + \frac{20}{24} = \frac{29}{24} = \underline{\underline{1\frac{5}{24}}}$$

$$d) \frac{8}{9} - \frac{5}{6} = \frac{16}{18} - \frac{15}{18} = \underline{\underline{\frac{1}{18}}}$$

$$e) 7 - \frac{3}{5} = 6\frac{5}{5} - \frac{3}{5} = \underline{\underline{6\frac{2}{5}}}$$

$$f) 14\frac{1}{4} - 5\frac{2}{3} = 14\frac{3}{12} - 5\frac{8}{12} = 13\frac{15}{12} - 5\frac{8}{12} = \underline{\underline{8\frac{7}{12}}}$$

$$2) a) (6\frac{1}{2} - 3\frac{5}{9}) + (3\frac{1}{6} - 2\frac{2}{3}) =$$

$$(6\frac{9}{18} - 3\frac{10}{18}) + (3\frac{1}{6} - 2\frac{4}{6}) =$$

$$(5\frac{27}{18} - 3\frac{10}{18}) + (2\frac{7}{6} - 2\frac{4}{6}) =$$

$$2\frac{17}{18} + \frac{3}{6} = 2\frac{17}{18} + \frac{9}{18} = 2\frac{26}{18} = 3\frac{8}{18} = \underline{\underline{3\frac{4}{9}}}$$

$$b) (7\frac{1}{2} + 2\frac{3}{4}) - (6\frac{3}{4} - 2\frac{5}{6}) =$$

$$(7\frac{2}{4} + 2\frac{3}{4}) - (6\frac{9}{12} - 2\frac{10}{12}) =$$

$$9\frac{5}{4} - (5\frac{21}{12} - 2\frac{10}{12}) = 9\frac{15}{12} - 3\frac{11}{12} = 6\frac{4}{12} = \underline{\underline{6\frac{1}{3}}}$$

$$3) a) \frac{5^1}{8} \cdot \frac{20^5}{25^5} = \frac{1}{2} \cdot \frac{5^1}{5^1} = \underline{\underline{\frac{1}{2}}}$$

$$b) 2\frac{4}{7} \cdot 2\frac{5}{8} = \frac{18^3}{7} \cdot \frac{21^3}{8} = \frac{27}{4} = \underline{\underline{6\frac{3}{4}}}$$

$$c) \frac{5}{6} \cdot 2\frac{2}{3} \cdot 3\frac{3}{4} = \frac{5}{6} \cdot \frac{8^2}{3} \cdot \frac{15^5}{4} = \frac{5 \cdot 2^{15}}{8 \cdot 1 \cdot 1} = \frac{25}{3} = \underline{\underline{8\frac{1}{3}}}$$

$$d) 0,4 \cdot 2\frac{1}{2} \cdot 3\frac{1}{5} = \frac{4^2}{10} \cdot \frac{5^1}{2} \cdot \frac{16^8}{5} = \frac{16}{5} = \underline{\underline{3\frac{1}{5}}}$$

$$e) \frac{12}{15} : \frac{20}{25} = \frac{12^3}{15^3} \cdot \frac{25^5}{20^5} = \frac{3^1}{3} \cdot \frac{5^1}{5} = \underline{\underline{1}}$$

$$f) 3\frac{1}{3} : 4\frac{1}{6} = \frac{10}{3} : \frac{25}{6} = \frac{10^2}{3} \cdot \frac{6^2}{25} = \underline{\underline{\frac{4}{5}}}$$

$$g) 8 : \frac{3}{4} = \frac{8}{1} \cdot \frac{4}{3} = \frac{32}{3} = \underline{\underline{10\frac{2}{3}}}$$

$$h) 6\frac{4}{5} : 6 = \frac{34}{5} : \frac{6}{1} = \frac{34^{17}}{5} \cdot \frac{1}{6^3} = \frac{17}{15} = \underline{\underline{1\frac{2}{15}}}$$