



## Addition & Subtraction of mixed numbers

$$a) \frac{2^2}{3 \times 2} + \frac{1 \times 3}{2 \times 3}$$

$$= \frac{4}{6} + \frac{3}{6} = \frac{7}{6} = \boxed{1 \frac{1}{6}}$$

$$b) \frac{4^4}{5 \times 4} + \frac{3 \times 5}{4 \times 5}$$

$$= \frac{16}{20} + \frac{15}{20} \\ = \frac{31}{20} = \boxed{1 \frac{11}{20}}$$

$$c) \frac{3 \times 3}{3 \times 4} - \frac{2^4}{3 \times 4}$$

$$= \frac{9}{12} - \frac{8}{12} \\ = \boxed{\frac{1}{12}}$$

$$d) 4 \frac{1^5}{6 \times 5} + 3 \frac{2^6}{5 \times 6}$$

$$= 4 \frac{5}{30} + 3 \frac{12}{30} \\ = 7 \frac{17}{30}$$

$$e) 6 \frac{3^6}{4 \times 6} + 1 \frac{5^4}{6 \times 4}$$

$$= 6 \frac{18}{24} + 1 \frac{20}{24} \\ = 7 \frac{38}{24} = \boxed{8 \frac{14}{24}}$$

$$f) 4 \frac{7^3}{10 \times 3} + 1 \frac{2^4 \times 10}{3 \times 10}$$

$$= 4 \frac{21}{30} + 1 \frac{20}{30} \\ = 5 \frac{41}{30} = \boxed{6 \frac{11}{30}}$$

$$g) 2 - \frac{1}{10}$$

$$1 \frac{10}{10} - \frac{1}{10} \\ = \boxed{1 \frac{9}{10}}$$

$$h) 9 \frac{2^2}{3 \times 2} - 9 \frac{1^3}{2 \times 3}$$

$$= 9 \frac{4}{6} - 9 \frac{3}{6} \\ = \boxed{\frac{1}{6}}$$

$$i) 5 \frac{9}{10} - 2 \frac{3^2}{5 \times 2}$$

$$= 5 \frac{9}{10} - 2 \frac{6}{10} \\ = \boxed{3 \frac{3}{10}}$$

$$j) 7 - \frac{3}{8}$$

$$= 6 \frac{8}{8} - \frac{3}{8} \\ = \boxed{6 \frac{5}{8}}$$

$$k) 3 + \frac{1}{5} =$$

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

$$l) 13 \frac{1^2}{5 \times 2} - 1 \frac{1^5}{2 \times 5}$$

$$= 13 \frac{2}{10} - 1 \frac{5}{10} \\ = 12 \frac{12}{10} - 1 \frac{5}{10} \\ = \boxed{11 \frac{7}{10}}$$

$$m) 6 \frac{3^6}{4 \times 6} + 1 \frac{5^4}{6 \times 4}$$

$$= 6 \frac{18}{24} + 1 \frac{20}{24} \\ = \boxed{7 \frac{38}{24}} = \boxed{6 \frac{14}{24}}$$

$$n) 1 - \frac{3}{4}$$

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

$$o) 2 \frac{11}{20} - 2 \frac{2^4}{5 \times 4}$$

$$= 2 \frac{11}{20} - 2 \frac{8}{20} \\ = \boxed{\frac{3}{20}}$$