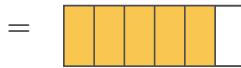
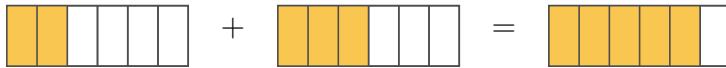


ADDING FRACTIONS (DIFFERENT DENOMINATORS)

Mr. Merrick · Division 2 Mathematics · September 27, 2025

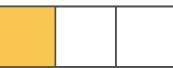
$$\frac{1}{3} + \frac{1}{2} = \frac{5}{6}$$

$$\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$$



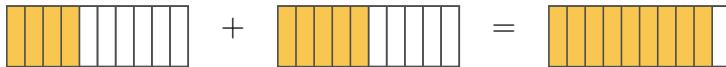
$$\frac{1}{4} + \frac{1}{3} = \frac{7}{12}$$

$$\frac{3}{12} + \frac{4}{12} = \frac{7}{12}$$



$$\frac{2}{5} + \frac{1}{2} = \frac{9}{10}$$

$$\frac{4}{10} + \frac{5}{10} = \frac{9}{10}$$



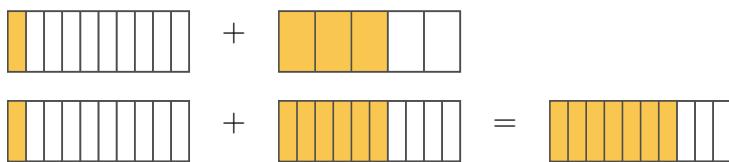
$$\frac{3}{8} + \frac{1}{6} = \frac{13}{24}$$

$$\frac{9}{24} + \frac{4}{24} = \frac{13}{24}$$



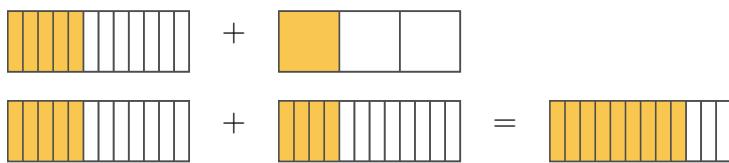
$$\frac{1}{10} + \frac{3}{5} = \frac{7}{10}$$

$$\frac{1}{10} + \frac{6}{10} = \frac{7}{10}$$



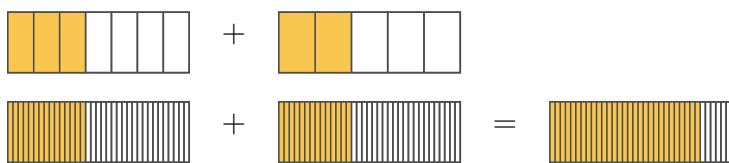
$$\frac{5}{12} + \frac{1}{3} = \frac{9}{12}$$

$$\frac{5}{12} + \frac{4}{12} = \frac{9}{12}$$



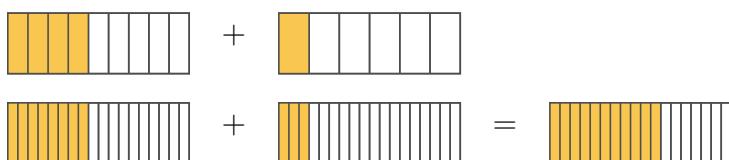
$$\frac{3}{7} + \frac{2}{5} = \frac{29}{35}$$

$$\frac{15}{35} + \frac{14}{35} = \frac{29}{35}$$



$$\frac{4}{9} + \frac{1}{6} = \frac{11}{18}$$

$$\frac{8}{18} + \frac{3}{18} = \frac{11}{18}$$



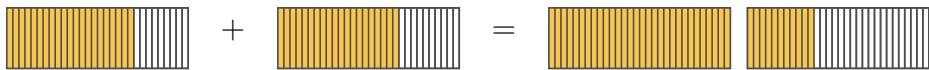
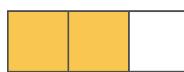
$$\frac{5}{8} + \frac{1}{4} = \frac{7}{8}$$

$$\frac{5}{8} + \frac{2}{8} = \frac{7}{8}$$



$$\frac{7}{10} + \frac{2}{3} = \frac{41}{30}$$

$$\frac{21}{30} + \frac{20}{30} = \frac{41}{30}$$



$$\frac{3}{5} + \frac{1}{6} = \frac{23}{30}$$

$$\frac{18}{30} + \frac{5}{30} = \frac{23}{30}$$



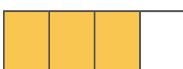
$$\frac{5}{6} + \frac{1}{8} = \frac{23}{24}$$

$$\frac{20}{24} + \frac{3}{24} = \frac{23}{24}$$



$$\frac{2}{7} + \frac{3}{4} = \frac{29}{28}$$

$$\frac{8}{28} + \frac{21}{28} = \frac{29}{28}$$



$$= \quad \text{[A diagram showing the sum of the two fraction bars from above, resulting in a bar divided into 28 equal segments with 29 shaded yellow segments.]}$$

$$\frac{1}{12} + \frac{5}{8} = \frac{17}{24}$$

$$\frac{2}{24} + \frac{15}{24} = \frac{17}{24}$$



$$= \quad \text{[A diagram showing the sum of the two fraction bars from above, resulting in a bar divided into 24 equal segments with 17 shaded yellow segments.]}$$

$$\frac{4}{11} + \frac{1}{2} = \frac{19}{22}$$

$$\frac{8}{22} + \frac{11}{22} = \frac{19}{22}$$



$$= \quad \text{[A diagram showing the sum of the two fraction bars from above, resulting in a bar divided into 22 equal segments with 19 shaded yellow segments.]}$$

$$\frac{7}{9} + \frac{1}{3} = \frac{10}{9}$$

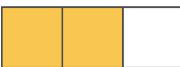
$$\frac{7}{9} + \frac{3}{9} = \frac{10}{9}$$



$$= \quad \text{[A diagram showing the sum of the two fraction bars from above, resulting in a bar divided into 9 equal segments with 10 shaded yellow segments.]}$$

$$\frac{3}{10} + \frac{2}{3} = \frac{29}{30}$$

$$\frac{9}{30} + \frac{20}{30} = \frac{29}{30}$$



$$\frac{5}{14} + \frac{1}{7} = \frac{7}{14}$$

$$\frac{5}{14} + \frac{2}{14} = \frac{7}{14}$$



$$\frac{2}{15} + \frac{1}{6} = \frac{9}{30}$$

$$\frac{4}{30} + \frac{5}{30} = \frac{9}{30}$$



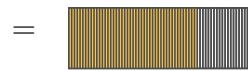
$$\frac{1}{16} + \frac{3}{8} = \frac{7}{16}$$

$$\frac{1}{16} + \frac{6}{16} = \frac{7}{16}$$



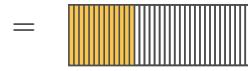
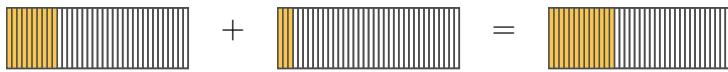
$$\frac{4}{13} + \frac{2}{5} = \frac{46}{65}$$

$$\frac{20}{65} + \frac{26}{65} = \frac{46}{65}$$



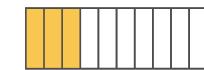
$$\frac{5}{18} + \frac{1}{12} = \frac{13}{36}$$

$$\frac{10}{36} + \frac{3}{36} = \frac{13}{36}$$



$$\frac{7}{20} + \frac{3}{10} = \frac{13}{20}$$

$$\frac{7}{20} + \frac{6}{20} = \frac{13}{20}$$



$$\frac{9}{16} + \frac{1}{4} = \frac{13}{16}$$

$$\frac{9}{16} + \frac{4}{16} = \frac{13}{16}$$

