# Brüche addieren

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

Hauptnenner (kgV)

$$kgV(2, 3) = 6$$

Erweitern

$$\frac{1}{2} \overset{3}{=} \frac{3}{6} \qquad \frac{1}{3} \overset{2}{=} \frac{2}{6}$$

Addieren

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

$$= \frac{5}{6}$$
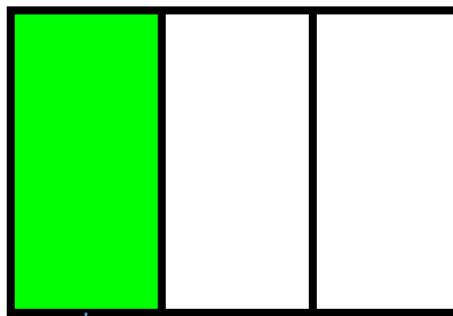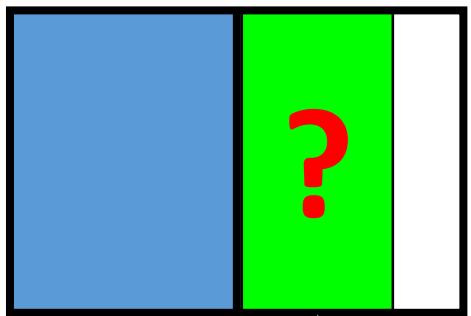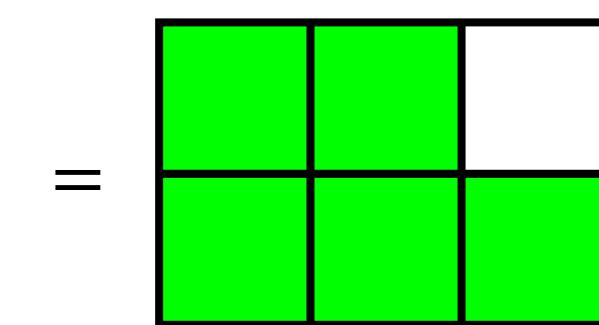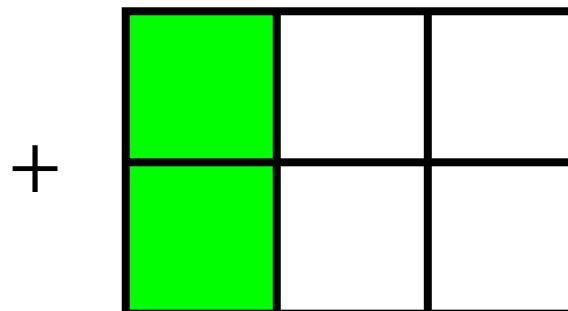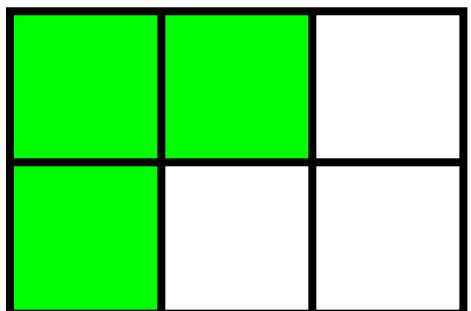
$$\frac{2}{5} + \frac{3}{7} = \frac{29}{35}$$

Hauptnenner (kgV)

$$kgV(5, 7) = 35$$

Erweitern

$$\frac{2}{5} \overset{7}{=} \frac{14}{35} \qquad \frac{3}{7} \overset{5}{=} \frac{15}{35}$$

Zähler addieren

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

$$= \frac{29}{35}$$

$$\frac{1}{4} + \frac{2}{3} = \frac{11}{12}$$

Hauptnenner (kgV)

$$kgV(4, 3) = 12$$

Erweitern

$$\frac{1}{4} \overset{3}{=} \frac{3}{12} \qquad \frac{2}{3} \overset{4}{=} \frac{8}{12}$$

Zähler addieren

$$\frac{3}{12} + \frac{8}{12} = \frac{3 + 8}{12}$$

$$= \frac{11}{12}$$