

Klapptest: Addition und Subtraktion von Brüchen

Aufgabe 1: Addition von gleichnamigen Brüchen.

$$1) \quad \frac{7}{8} + \frac{8}{8} =$$

$$2) \quad \frac{2}{3} + \frac{3}{3} =$$

$$3) \quad \frac{8}{9} + \frac{7}{9} =$$

$$4) \quad \frac{7}{2} + \frac{3}{2} =$$

Aufgabe 2: Addition von ungleichnamigen Brüchen.

$$1) \quad \frac{3}{9} + \frac{5}{9} =$$

$$2) \quad \frac{8}{9} + \frac{8}{5} =$$

$$3) \quad \frac{6}{2} + \frac{8}{4} =$$

$$4) \quad \frac{5}{4} + \frac{6}{3} =$$

$$5) \quad \frac{7}{6} + \frac{8}{5} =$$

Aufgabe 3: Subtraktion von gleichnamigen Brüchen.

$$1) \quad \frac{3}{9} - \frac{6}{9} =$$

$$2) \quad \frac{3}{6} - \frac{7}{6} =$$

$$3) \quad \frac{8}{9} - \frac{2}{9} =$$

$$4) \quad \frac{7}{8} - \frac{4}{8} =$$

Aufgabe 4: Subtraktion von ungleichnamigen Brüchen.

$$1) \quad \frac{8}{3} - \frac{5}{6} =$$

$$2) \quad \frac{8}{9} - \frac{2}{3} =$$

$$3) \quad \frac{9}{10} - \frac{2}{5} =$$

$$4) \quad \frac{7}{6} - \frac{6}{3} =$$

$$5) \quad \frac{7}{5} - \frac{7}{6} =$$

Lösung:

$$1) \quad \frac{7}{8} + \frac{8}{8} = \frac{15}{8}$$

$$2) \quad \frac{2}{3} + \frac{3}{3} = \frac{5}{3}$$

$$3) \quad \frac{8}{9} + \frac{7}{9} = \frac{15}{9} = \frac{5}{3}$$

$$4) \quad \frac{7}{2} + \frac{3}{2} = \frac{10}{2} = \frac{5}{1}$$

Lösung:

$$1) \quad \frac{3}{9} + \frac{5}{9} = \frac{3}{9} + \frac{5}{9} = \frac{8}{9}$$

$$2) \quad \frac{8}{9} + \frac{8}{5} = \frac{40}{45} + \frac{72}{45} = \frac{112}{45}$$

$$3) \quad \frac{6}{2} + \frac{8}{4} = \frac{12}{4} + \frac{8}{4} = \frac{20}{4} = \frac{5}{1}$$

$$4) \quad \frac{5}{4} + \frac{6}{3} = \frac{15}{12} + \frac{24}{12} = \frac{39}{12} = \frac{13}{4}$$

$$5) \quad \frac{7}{6} + \frac{8}{5} = \frac{35}{30} + \frac{48}{30} = \frac{83}{30}$$

Lösung:

$$1) \quad \frac{3}{9} - \frac{6}{9} = \frac{-3}{9} = \frac{-1}{3}$$

$$2) \quad \frac{3}{6} - \frac{7}{6} = \frac{-4}{6} = \frac{-2}{3}$$

$$3) \quad \frac{8}{9} - \frac{2}{9} = \frac{6}{9} = \frac{2}{3}$$

$$4) \quad \frac{7}{8} - \frac{4}{8} = \frac{3}{8}$$

Lösung:

$$1) \quad \frac{8}{3} - \frac{5}{6} = \frac{16}{6} - \frac{5}{6} = \frac{11}{6}$$

$$2) \quad \frac{8}{9} - \frac{2}{3} = \frac{8}{9} - \frac{6}{9} = \frac{2}{9}$$

$$3) \quad \frac{9}{10} - \frac{2}{5} = \frac{9}{10} - \frac{4}{10} = \frac{5}{10} = \frac{1}{2}$$

$$4) \quad \frac{7}{6} - \frac{6}{3} = \frac{7}{6} - \frac{12}{6} = \frac{-5}{6}$$

$$5) \quad \frac{7}{5} - \frac{7}{6} = \frac{42}{30} - \frac{35}{30} = \frac{7}{30}$$