

Brüche addieren/subtrahieren – erste Übungen

Lösungsblatt

Erklärung:

$$\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$$

$$\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$$

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$$\frac{3}{4} + \frac{3}{8} = \frac{6}{8} + \frac{3}{8} = \frac{9}{8} = 1\frac{1}{8}$$

$$\frac{3}{4} - \frac{3}{8} = \frac{6}{8} - \frac{3}{8} = \frac{3}{8}$$

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Bei der Addition und Subtraktion von Brüchen
müssen die Brüche auf gemeinsamen Nenner
umgewandelt werden!!!

Beispiele:

Addiere!

$$\frac{3}{4} + \frac{5}{4} = \frac{8}{4}$$

$$\frac{3}{8} + \frac{7}{8} = \frac{10}{8}$$

$$\frac{5}{2} + \frac{7}{2} = \frac{12}{2}$$

$$\frac{9}{4} + \frac{4}{3} = \frac{27}{12} + \frac{16}{12} = \frac{43}{12} = 3\frac{7}{12}$$

$$\frac{5}{6} + \frac{2}{3} = \frac{5}{6} + \frac{4}{6} = \frac{9}{6} = 1\frac{3}{6} = 1\frac{1}{2}$$

$$\frac{4}{3} + \frac{3}{5} = \frac{20}{15} + \frac{9}{15} = \frac{29}{15} = 1\frac{14}{15}$$

$$2\frac{3}{8} + 1\frac{4}{3} = 2\frac{9}{24} + 1\frac{32}{24} = 3\frac{41}{24} = 4\frac{17}{24} \quad | \quad 1\frac{1}{6} + 1\frac{2}{3} = 1\frac{1}{6} + 1\frac{4}{6} = 2\frac{5}{6}$$

$$4\frac{1}{3} + 2\frac{3}{5} = 4\frac{5}{15} + 2\frac{9}{15} = 6\frac{14}{15}$$

Subtrahiere!

$$\frac{11}{4} - \frac{5}{4} = \frac{6}{4} = 1\frac{2}{4}$$

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

$$\frac{9}{2} - \frac{6}{2} = \frac{3}{2} = 1\frac{1}{2}$$

$$\frac{9}{4} - \frac{2}{3} = \frac{27}{12} - \frac{8}{12} = \frac{19}{12} = 1\frac{7}{12}$$

$$\frac{5}{6} - \frac{2}{3} = \frac{5}{6} - \frac{4}{6} = \frac{1}{6} = 1\frac{3}{6} = 1\frac{1}{2}$$

$$\frac{4}{3} - \frac{3}{5} = \frac{20}{15} - \frac{9}{15} = \frac{11}{15}$$

$$2\frac{3}{8} - 1\frac{1}{3} = 2\frac{9}{24} - 1\frac{8}{24} = 1\frac{1}{24}$$

$$1\frac{5}{6} - 1\frac{2}{3} = 1\frac{5}{6} - 1\frac{4}{6} = \frac{1}{6}$$

$$4\frac{2}{3} - 2\frac{1}{5} = 4\frac{10}{15} - 2\frac{3}{15} = 2\frac{7}{15}$$