

Addieren und Subtrahieren von Brüchen Lösungen

1. a) $\frac{3}{5}$ b) 1 c) $3\frac{4}{5}$ d) $5\frac{2}{8} = 5\frac{1}{4}$

2. a) $\frac{3}{7}$ b) $\frac{2}{4} = \frac{1}{2}$ c) $2\frac{2}{5}$ d) $1\frac{4}{5}$

3. a) $\frac{1}{5} + \frac{1}{3} = \frac{3}{15} + \frac{5}{15} = \frac{8}{15}$ b) $\frac{3}{8} + 1\frac{1}{2} = \frac{3}{8} + 1\frac{4}{8} = 1\frac{7}{8}$ c) $2\frac{5}{6} + \frac{3}{4} = 2\frac{10}{12} + \frac{9}{12} = 3\frac{7}{12}$
 kgV (5; 3) = 15 kgV (8; 2) = 8 kgV (6; 4) = 12

4. a) $\frac{5}{8} - \frac{1}{4} = \frac{5}{8} - \frac{2}{8} = \frac{3}{8}$ b) $1\frac{7}{10} - 1\frac{1}{4} = 1\frac{14}{20} - 1\frac{5}{20} = \frac{9}{20}$ c) $3\frac{1}{6} - 1\frac{2}{3} = 2\frac{7}{6} - 1\frac{4}{6} = 1\frac{3}{6} = 1\frac{1}{2}$
 kgV (8; 4) = 8 kgV (10; 4) = 20 kgV (6; 3) = 6

5. Es wäre für Max leichter gewesen mit gemischten Zahlen und kleinsten gemeinsamen Nenner zu rechnen.

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

6. 5 h 35 min.