

1 Berechne

a) $\frac{11}{12} - \frac{5}{8} = \frac{22}{24} - \frac{15}{24} = \frac{7}{24}$

b) $\frac{5}{6} - \frac{3}{8} = \frac{20}{24} - \frac{9}{24} = \frac{11}{24}$

c) $\frac{3}{4} - \frac{3}{5} = \frac{15}{20} - \frac{12}{20} = \frac{3}{20}$

2 Berechne

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

b) $6\frac{3}{8} - 2\frac{2}{3} = 4\frac{9-16}{24} = 3\frac{17}{24}$

c) $9\frac{7}{8} - 3\frac{7}{10} = 6\frac{35-28}{40} = 6\frac{7}{40}$

3 Berechne

a) $4\frac{3}{4} - 3\frac{7}{10} + 1\frac{2}{5} = 2\frac{15-14+8}{20} = 2\frac{9}{20}$

b) $5\frac{4}{5} - 1\frac{2}{3} + 1\frac{3}{15} = 3\frac{12-10+3}{15} = 3\frac{5}{15} = 3\frac{1}{3}$

4 Die Rechnungen in Klammern sind zuerst auszuführen.

a) $\left(\frac{3}{4} + \frac{5}{4}\right) + \left(\frac{1}{4} + \frac{3}{4}\right) = \frac{8}{4} + \frac{4}{4} = \frac{12}{4} = 3$

b) $\left(\frac{4}{5} + \frac{3}{5}\right) - \left(\frac{2}{5} + \frac{1}{5}\right) = \frac{7}{5} - \frac{3}{5} = \frac{4}{5}$

c) $\left(3\frac{3}{8} - \frac{5}{8}\right) - \left(1\frac{1}{8} - \frac{3}{8}\right) = 2\frac{6}{8} - \frac{6}{8} = 2$

5 Vervollständige das magische Quadrat.

Beispiel:			$1\frac{2}{3}$	$1\frac{2}{3} + 2\frac{2}{3} + 3\frac{2}{3} = 8$	$2\frac{1}{3}$	4	$1\frac{2}{3}$
	2	$2\frac{2}{3}$		$8 - 2 - 3\frac{2}{3} = 2\frac{1}{3}$	2	$2\frac{2}{3}$	$3\frac{1}{3}$
	$3\frac{2}{3}$...	$3\frac{2}{3}$	$1\frac{1}{3}$	3

a)

$3\frac{18}{20}$	$2\frac{3}{20}$	$4\frac{12}{20}$
$4\frac{5}{20}$	$3\frac{11}{20}$	$2\frac{17}{20}$
$2\frac{10}{20}$	$4\frac{19}{20}$	$3\frac{4}{20}$

b)

$\frac{14}{12}$	$1\frac{7}{12}$	$1\frac{6}{12}$
$1\frac{9}{12}$	$1\frac{5}{12}$	$1\frac{1}{12}$
$1\frac{4}{12}$	$1\frac{3}{12}$	$1\frac{8}{12}$