



Drukbare assessering CAMI Wisk: Graad 8

Optel en aftrek van breuke

1. Vereenvoudig die breuke deur op[telling en aftrekking.

1.1

$$\frac{1}{7} + \frac{24}{25}$$

1.2

$$\frac{2}{3} - \frac{3}{5}$$

1.3

$$\frac{2}{5} - \frac{1}{3} + \frac{2}{5}$$

1.4

$$\frac{1}{5} + \frac{1}{3} + \frac{1}{4}$$

1.5

$$\frac{1}{3} - \frac{3}{7} + \frac{4}{12}$$

2. Vereenvoudig gemengde getalle deur optelling en aftrekking.

2.1

$$9\frac{3}{4} - 2\frac{5}{6}$$

2.2

$$6\frac{2}{5} - 3\frac{2}{3}$$

2.3

$$3\frac{1}{4} + 3\frac{1}{6}$$

2.4

$$8\frac{6}{7} - 2\frac{7}{9}$$

2.5

$$8\frac{3}{4} + 9\frac{4}{5} - 3\frac{8}{10}$$



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MEMO

1. Vereenvoudig die breuke deur optelling en aftrekking.

[2.2.2.4 tot 2.2.2.8]

$$1.1 \quad \frac{1}{7} + \frac{24}{25} = \frac{5+24}{35} = \frac{29}{35}$$

$$1.2 \quad \frac{2}{3} - \frac{3}{5} = \frac{10-9}{15} = \frac{1}{15}$$

$$1.3 \quad \frac{2}{5} - \frac{1}{3} + \frac{2}{5} = \frac{6-5+6}{15} = \frac{7}{15}$$

$$1.4 \quad \frac{1}{5} + \frac{1}{3} + \frac{1}{4} = \frac{12+20+15}{60} = \frac{47}{60}$$

$$1.5 \quad \frac{1}{3} - \frac{3}{7} + \frac{4}{12} = \frac{28-36+28}{84} = \frac{36}{84} = \frac{3}{7}$$

2. Vereenvoudig gemengde getalle deur optelling en aftrekking.

[2.2.3.7; 2.2.4.1 tot 2.2.4.4]

$$2.1 \quad 9\frac{3}{4} - 2\frac{5}{6} = 7\frac{9-10}{12} = 6\frac{12+9-10}{12} = 6\frac{11}{12}$$

$$2.2 \quad 6\frac{2}{5} - 3\frac{2}{3} = 3\frac{6-10}{15} = 2\frac{15+6-10}{15} = 2\frac{11}{15}$$

$$2.3 \quad 3\frac{1}{4} + 3\frac{1}{6} = 6\frac{3+2}{12} = 6\frac{5}{12}$$

$$2.4 \quad 8\frac{6}{7} - 2\frac{7}{9} = 6\frac{54-49}{63} = 6\frac{5}{63}$$

$$2.5 \quad 8\frac{3}{4} + 9\frac{4}{5} - 3\frac{8}{10} = 14\frac{15+16-16}{20} = 14\frac{15}{20} = 14\frac{3}{4}$$