





### Afdeling E – Optelling en aftrekking van egte breuke met dieselfde noemers

$$\begin{array}{ll}
 1.1 \quad \frac{1}{6} + \frac{4}{6} = \frac{5}{6} & 1.2 \quad \frac{1}{5} + \frac{3}{5} = \frac{4}{5} \\
 1.3 \quad \frac{6}{12} + \frac{4}{12} + \frac{1}{12} = \frac{11}{12} & 1.4 \quad \frac{1}{10} + \frac{3}{10} + \frac{5}{10} = \frac{9}{10} \\
 1.5 \quad \frac{6}{12} - \frac{4}{12} = \frac{2}{12} & 1.6 \quad \frac{6}{8} - \frac{4}{8} = \frac{2}{8} \\
 1.7 \quad \frac{16}{20} - \frac{7}{20} = \frac{9}{20} & 1.8 \quad \frac{19}{25} - \frac{12}{25} = \frac{7}{25}
 \end{array} \tag{8}$$

### Afdeling F – Optelling en aftrekking van gemengde getalle met dieselfde noemers

$$\begin{array}{ll}
 1.1 \quad 1 & 1.2 \quad \frac{10}{5} \\
 1.3 \quad 1\frac{4}{5} & 1.4 \quad \frac{15}{5} \\
 1.5 \quad 2\frac{3}{5} & 1.6 \quad \frac{7}{5} \\
 1.7 \quad \frac{16}{5} & 1.8 \quad 3\frac{2}{5}
 \end{array} \tag{8}$$

$$\begin{array}{l}
 2.1 \quad 2\frac{1}{3} + 1\frac{1}{3} = (2 + 1) + (\frac{1}{3} + \frac{1}{3}) \\
 = 3 + \frac{2}{3} \\
 = 3\frac{2}{3}
 \end{array} \tag{3}$$

$$\begin{array}{l}
 2.2 \quad 3\frac{3}{7} + 4\frac{5}{7} = (3 + 4) + (\frac{3}{7} + \frac{5}{7}) \\
 = 7 + \frac{8}{7} \\
 = 7 + \frac{7}{7} + \frac{1}{7} \\
 = 8\frac{1}{7}
 \end{array} \tag{4}$$

$$\begin{array}{l}
 2.3 \quad 9\frac{5}{6} - 6\frac{3}{6} = (9 - 6) + (\frac{5}{6} - \frac{3}{6}) \\
 = 3 + \frac{2}{6} \\
 = 3\frac{2}{6}
 \end{array} \tag{3}$$

$$\begin{array}{l}
 2.4 \quad 8\frac{3}{8} - 3\frac{5}{8} = (8 - 3) + (\frac{3}{8} - \frac{5}{8}) \quad \text{[Kan nie]} \\
 = 5 + (\frac{3}{8} - \frac{5}{8}) \quad \text{[Jy moet 1 gaan leen en } 1 = \frac{8}{8}] \\
 = 4 + \frac{8}{8} + \frac{3}{8} - \frac{5}{8} \\
 = 4 + \frac{11}{8} - \frac{5}{8} \\
 = 4\frac{6}{8}
 \end{array} \tag{5}$$

$$\begin{array}{l}
 2.5 \quad 3\frac{2}{5} + 1\frac{4}{5} - 2\frac{3}{5} = (3 + 1 - 2) + (\frac{2}{5} + \frac{4}{5} - \frac{3}{5}) \\
 = 2 + (\frac{6}{5} - \frac{3}{5}) \\
 = 2\frac{3}{5}
 \end{array} \tag{3}$$

$$\begin{array}{l}
 2.6 \quad 5\frac{1}{8} + 3\frac{5}{8} - 4\frac{3}{8} = (5 + 3 - 4) + (\frac{1}{8} + \frac{5}{8} - \frac{3}{8}) \\
 = 4 + (\frac{6}{8} - \frac{3}{8}) \\
 = 4\frac{3}{8}
 \end{array} \tag{3}$$

### Afdeling G – Bereken breuke van heelgetalle

$$1.1 \quad \frac{1}{3} \text{ van } 9 = 9 \div 3 = 3 \text{ en } 3 \times 1 = 3 \tag{2}$$

- 1.2  $\frac{3}{9}$  van 27 =  $27 \div 9 = 3$  en  $3 \times 3 = 9$  (2)
- 1.3  $\frac{1}{2}$  van 18 =  $18 \div 2 = 9$  en  $9 \times 1 = 9$  (2)
- 1.4  $\frac{3}{8}$  van 24 =  $24 \div 8 = 3$  en  $3 \times 3 = 9$  (2)
- 1.5  $\frac{2}{5}$  van 25 =  $25 \div 5 = 5$  en  $5 \times 2 = 10$  (2)
- 1.6  $\frac{6}{10}$  van 30 =  $30 \div 10 = 3$  en  $3 \times 6 = 18$  (2)

**Afdeling H – Woordprobleme met gewone breuke: [Wys alle bewerkings]**

1. Oop getalsin:  $\frac{3}{6} + \frac{2}{6} = \square$   
 Bewerkings:  $\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$   
 Antwoord:  $\frac{5}{6}$  **van die brood is gebruik.** (3)

2. Oop getalsin:  $\frac{8}{8} - \frac{6}{8} = \square$   
 Bewerkings:  $\frac{8}{8} - \frac{6}{8} = \frac{2}{8}$   
 Antwoord:  $\frac{2}{8}$  **van die pizza bly oor.** (3)

- 3.1 Oop getalsin:  $\frac{2}{12} + \frac{4}{12} + \frac{5}{12} = \square$   
 Bewerkings:  $\frac{2}{12} + \frac{4}{12} + \frac{5}{12} = \frac{11}{12}$   
 Antwoord:  $\frac{11}{12}$  **van sy sakgeld het hy gebruik.** (3)

- 3.2 Oop getalsin:  $\frac{12}{12} - \frac{11}{12} = \square$   
 Bewerkings:  $\frac{12}{12} - \frac{11}{12} = \frac{1}{12}$   
 Antwoord:  $\frac{1}{12}$  **van sy sakgeld is oor.** (3)

4. Oop getalsin:  $28 - (\frac{3}{4} \text{ van } 28) = \square$   
 Bewerkings:  $28 - (28 \div 4 = 7 \text{ en } 7 \times 3 = 21)$   
 $28 - 21 = 7$   
 Antwoord: **7 blokkies sjokolade bly oor.** (4)

5. Oop getalsin:  $5m - (1\frac{2}{8}m + 3\frac{3}{8}m) = \square$   
 Bewerkings:  $= 5 - (1 + 3) + (\frac{2}{8} + \frac{3}{8})$   
 $= 5 - 4\frac{5}{8}$  **[Jy moet gaan leen]**  
 $= 4\frac{8}{8} - 4\frac{5}{8}$   
 $= \frac{3}{8}$   
 Antwoord:  $\frac{3}{8}$  **tou op die rol is oor.** (5)