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### Opgave 008

$$a \quad \frac{5 \cdot 8 + 7 \cdot 6}{6 \cdot 8} - \frac{3}{4}$$

$$\frac{82}{48} - \frac{3}{4}$$

$$\frac{82 \cdot 4 - 3 \cdot 48}{48 \cdot 4}$$

$$\frac{184}{192}$$

$$\frac{23}{24}$$

$$\frac{23}{24}$$

$$24$$

$$b \quad \frac{4a + b}{2} - \frac{2a - 3b}{3}$$

$$\frac{(4a + b) \cdot 3 - (2a - 3b) \cdot 2}{2 \cdot 3}$$

$$\frac{12a + 3b - 4a + 6b}{6}$$

$$\frac{8a + 9b}{6}$$

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$$C \quad \frac{4d - C}{5} + \frac{3C}{1} - \frac{C}{3}$$

$$\frac{4d - C + 15C}{5} - \frac{C}{3}$$

$$\frac{4d + 14C}{5} - \frac{C}{3}$$

$$\frac{(4d + 14C) \cdot 3 - 5C}{5 \cdot 3}$$

$$\frac{12d + 42C - 5C}{15}$$

$$\frac{12d + 37C}{15}$$