

### 3. Bez

### Bruchterme + / -

AB 3

Beispiel: 
$$\frac{5x+1}{3x} + \frac{4x+2}{3x} = \frac{5x+1+4x+2}{3x} = \frac{9x+3}{3x} = \frac{3(3x+1)}{3x} = \frac{3x+1}{x}$$

1. 
$$\frac{a+b}{2} + \frac{a-b}{2} =$$

2. 
$$\frac{p+q-r}{3} + \frac{p-q+r}{3} =$$

Beispiel: 
$$\frac{5x+1}{3x} - \frac{4x+2}{3x} = \frac{5x+1-(4x+2)}{3x} = \frac{5x+1-4x-2}{3x} = \frac{x-1}{3x}$$

3. 
$$\frac{a+b}{2} - \frac{a-b}{2} =$$

4. 
$$\frac{p+q-r}{3} - \frac{p-q+r}{3} =$$

5. 
$$\frac{5x+5}{2x} - \frac{8x-9}{2x} + \frac{10-3x}{2x} =$$

6. 
$$\frac{2b-c}{3a+1} + \frac{5b-3c}{3a+1} - \frac{b-5c}{3a+1} =$$

7. 
$$\frac{p-q-r}{3} - \frac{q-r-p}{3} - \frac{r-p-q}{3} =$$