

4.3 Klammerregeln

- 1 a) $(24+16)+37=40+37=77$, $24+(16+37)=24+53=77$
b) $(33+29)+11=62+11=73$, $33+(29+11)=33+40=73$
c) $(4 \cdot 25) \cdot 9=100 \cdot 9=900$, $4 \cdot (25 \cdot 9)=4 \cdot 225=900$
d) $(2 \cdot 50) \cdot 8=100 \cdot 8=800$, $2 \cdot (50 \cdot 8)=2 \cdot 400=800$
- 2 a) $(27 - 15) + 3 = 12 + 3 = 15$, $27 - 15 + 3 = 12 + 3 = 15$
b) $2 \cdot (17 + 21) = 2 \cdot 38 = 76$, $2 \cdot 17 + 21 = 34 + 21 = 55$
c) $(5 \cdot 12) : 3 = 60 : 3 = 20$, $5 \cdot 12 : 3 = 60 : 3 = 20$
d) $(24 - 6) : 2 = 18 : 2 = 9$, $24 - 6 : 2 = 24 - 3 = 21$
- 3 a) $5 + 8 \cdot 6 = 53$, $(5 + 8) \cdot 6 = 78$, $53 < 78$
b) $100 - 7 \cdot 2 = 86$, $(100 - 7) \cdot 2 = 186$, $86 < 186$
c) $8 \cdot 4 + 10 = 42$, $8 \cdot (4 + 10) = 112$, $42 < 112$
d) $80 : (4 : 2) = 40$, $(80 : 4) : 2 = 10$, $40 > 10$
e) $(6 \cdot 4) : 2 = 12$, $6 \cdot (4 : 2) = 12$, $12 = 12$
f) $(310 - 155) - 80 = 75$, $310 - (155 - 80) = 235$,
 $75 < 235$
- 4 $(280 - 190) : (17 + 13) = 90 : 30 = 3$
 $(84 + 16) \cdot (55 - 30) = 100 \cdot 25 = 2\,500$
 $(88 - 11) \cdot (24 - 22) = 77 \cdot 2 = 154$
 $(19 + 11) : (30 - 20) = 30 : 10 = 3$
 $[(28 + 7) - 15] : 10 = 20 : 10 = 2$
 $5 \cdot [19 - (3 \cdot 3 + 9) + 3] = 5 \cdot 4 = 20$
 $(28 : 7) \cdot 5 - (5 - 4) \cdot (10 - 6) = 4 \cdot 5 - 1 \cdot 4 =$
 $20 - 4 = 16$
- 5 $(2 + 4 + 3 + 1 + 2 + 3) \cdot 2 \text{ €} = 15 \cdot 2 \text{ €} = 30 \text{ €}$
- 6 a) $(1000 - 1) : (6 + 3) = 999 : 9 = 111$
b) $9 \cdot 15 - (64 : 8) = 135 - 8 = 127$
c) $(80 : 8) + (144 - 121) = 10 + 23 = 33$
d) $(6 \cdot 2) \cdot (6 + 2) = 12 \cdot 8 = 96$