49 (de la pág. 43 del libro)

a) $\underbrace{(+20)\cdot(+5)}:(-4) =$

$=(+100):(-4) = -25$

b) $\underbrace{(+8)\cdot(-8)}:(+16) =$

$=(-64):(+16) = -4$

c) $\underbrace{(-12)\cdot(+5)}:(-3) =$

$=(-60):(-3) = +20$

d) $\underbrace{(+9)\cdot(-3)}:(-9) =$

$(-27):(-9) = +3$

e) $\underbrace{(-10):(+2)}\cdot(-25) =$

$=(-5)\cdot(-25) = +125$

f) $\underbrace{(-3)\cdot(+35)}:(-7) =$

$=(-105):(-7) = +15$

g) $\underbrace{(+4)\cdot(+15)}:(-2) =$

$=(+60):(-2) = -30$

h) $\underbrace{(+6)\cdot(-28)}:(+12) =$

$=(-168):(+12) = -14$

i) $\underbrace{(-11)\cdot(-6)}:(-3) =$

$=(+66):(-3) = -22$

j) $\underbrace{(+4)\cdot(-7)}:(+14) =$

$=(-28):(+14) = -2$

Ejercicios resueltos

38 (de la pág 41)

a) $(\underbrace{4-8})+(\underbrace{-1-5})=$
$=(-4)+(-6)=$
$=-10$

b) $(\underbrace{19+2})-(\underbrace{7-3})=$
$=21-4=$
$=17$

c) $(\underbrace{-5+2})-(6-7)=$
$=(-3)-(-1)=$
$=(-3)+(+1)=$
$=-2$

d) $(\underbrace{14-5})+(-6+3)=$
$=9+(-3)=$
$=6$

e) $(\underbrace{-7-12})-(\underbrace{7-5})=$
$=-19-2=$
$=-21$

f) $(\underbrace{25-14})+(-5+18)=$
$=11+13=$
$=24$

g) $(\underbrace{12-6})-(20-24)=$
$=6-(-4)=$
$=6+(+4)=$
$=10$

h) $(\underbrace{-24-12})-(28-16)$
$-36-12=$
$=-48$

39 (de la página 41)

a) $-4-(\underbrace{2-4+6})=$
$=-4-4=$
$=-8$

e) $45+(\underbrace{-32-13+14})=$
$=45+(-31)=$
$=14$

b) $13+(\underbrace{7-3-9})=$

$=13+(-5)=$

$=8$

c) $23+(\underbrace{-6-12+7})=$

$=23+(-11)=$

$=12$

d) $-24-(\underbrace{16+5-2})=$

$=-24-19=$

$=-44$

f) $-26-(\underbrace{-2-7-19})=$

$=-26-(-28)=$

$=-26+(+28)=$

$=2$

g) $2+(\underbrace{13-7+10})=$

$=2+15=$

$=17$

h) $-10-(\underbrace{2+7-49})=$

$=-10-(-40)=$

$=-10+(+40)=$

$=30$

40 (de la pág. 41)

a) $9+(\underbrace{4-1-8})-5=$

$=\underbrace{9+(-5)}-5=$

$=4-5=$

$=-1$

b) $-13+(\underbrace{-5-7-9})+(-12)=$

$=\underbrace{-13+(-21)}+(-12)=$

$=-34+(-12)=$

$=-46$

c) $18-(-8-3)+32=$

$=18-(-11)+32=$

$=18+(+11)+32=$

$=29+32=$

$=61$

d) $-26+(-8-4+2)-(-5)=$

$=\underbrace{-26+(-10)}-(-5)=$

$=-36-(-5)=$

$=-36+(+5)=$

$=-31$

e) $32-(\underbrace{-14+7-4})-(+4)=$

$=\underbrace{32-(-11)}-(+4)=$

$=32+(+11)-(+4)=$

$=43-(+4)=$

$=43+(-4)=$

$=39$

f) $-7-(23+13-24)-1=$

$=-7-12-1=$

$=-20$

41 (de la página 41)

a) $(\underbrace{15-6})-(\underbrace{-1-4})-(-7)=$

$=\underbrace{9-(-5)}-(-7)=$

$=\underbrace{9+(+5)}-(-7)=$

$=14-(-7)=$

$=14+(+7)=$

$=21$

b) $(\underbrace{7+5-12})-(\underbrace{4+5-17})+(-5)=$

$=0-(-8)+(-5)=$

$=0+(+8)+(-5)=$

$=+3$

c) $35-(-8+1)+(-3-5-12)+18=$

$=\underbrace{35-(-7)}+(-20)+18=$

$=\underbrace{35+(+7)}+(-20)+18=$

$=\underbrace{42+(-20)}+18=$

$=22+18=$

$=40$

d) $23-(11-15-17)-(-4-2)=$

$=\underbrace{23-(-21)}-(-6)=$

$=\underbrace{23+(+21)}-(-6)=$

$=\underbrace{44-(-6)}=$

$=44+(+6)=50$

e) $45+(\underbrace{-24-6})+(\underbrace{13-2+7})=$

$=\underbrace{45+(-30)}+18=$

$=15+18=33$

f) $(\underbrace{18-28})+(\underbrace{-34-32-8})-(-4)=$

$=\underbrace{-10+(-74)}-(-4)=$

$=-84-(-4)=$

$=\underbrace{-84+(+4)}=$

$=-80$

3 (de la ficha)

1) $(+3) - (+8) - (-2) =$

$= \underbrace{(+3) + (-8)} + (+2) =$

$= (-5) + (+2) = -3$

2) $(-9) + (-6) - (-7) - (-7) - (+7) =$

$= \underbrace{(-9) + (-6)} + (+7) + (+7) + (+7) =$

$= \underbrace{(-15) + (+7)} + (+7) + (+7) =$

$= \underbrace{(-8) + (+7)} + (+7) =$

$= \underbrace{(-1) + (+7)} =$

$= +6$

3) $(-8) - (-4) + (+6) - (+2) - (-9) =$

$= \underbrace{(-8) + (+4)} + (+6) + (-2) + (+9) =$

$= \underbrace{(-4) + (+6)} + (-2) + (+9) =$

$= (+2) + (-2) + (+9) = 0 + (+9) =$

$= +9$

4) $(\underbrace{10-3+4})-(\underbrace{9-2+8})=$

$= 11-15=-4$

5) $(\underbrace{-3+5-9})-(-4+11+6)=$

$= -7-13=-20$

6) $25-[4-(\underbrace{3-9})]=$

$=25-[4-(-6)]=$

$=25-[\underbrace{4+(+6)}]=$

$=25-10=15$

7) $(\underbrace{10-7})-[11-(\underbrace{7-5})]=$

$=3-[\underbrace{11-2}]=$

$=3-9=-6$

8) $15-[(\underbrace{8-6})+(3-7)]=$

$=15-[\underbrace{2+(-4)}]=$

$=15-(-2)=$

$=15+(+2)=17$

9) $[(+3)-(-5)+(-7)]-[(+2)-(-10)]=$

$=[\underbrace{(+3)+(+5)+(-7)}]-[(+2)+(+10)]=$

$=(+1)-(+12)=(+1)+(-12)=-11$

10) $16-[16-(\underbrace{16-4}))]+(-16)=$

$=16-[\underbrace{16-12}]+(-16)=$

$=\underbrace{16-4}+(-16)=$

$=12+(-16)=$

$=-4$

— debo (me gasto)
+ tengo (me dan)

4 (de la ficha)

1) $-8+5-7+8=-2$

2) $-3+10+8-8-7=0$

3) $+12-7-7-5-4=-11$

4) $4-11+8-7+10=4$

5) $3-1+5+6-7+10=16$

6) $-5-6+9+2-11+3+5=-3$

7) $10+7-15-6-4+2+5=-1$

5 (de la ficha)

1) $(\underbrace{17-2})-(8+2)=$
$=15-10=5$

2) $(\underbrace{5-12})+(\underbrace{3-8})=$
$=(-7)+(-5)=-12$

3) $(\underbrace{7-10})-(\underbrace{2-9})=$
$=(-3)-(-7)=$
$=(-3)+(+7)=+4$