

# EXERCICES Révision (Correction) - Calculs avec les nombres relatifs

## Exercice 1.

1.  $A = -7.$
2.  $B = +13.$
3.  $C = -27.$
4.  $D = -6.$
5.  $E = -9.$
6.  $F = -1,2.$
7.  $G = +10,2.$
8.  $H = -31.$
9.  $I = 5,1.$

## Exercice 2.

1.  $A = (+7) + (+5) = +12.$
2.  $B = (+10) + (-15) = -5.$
3.  $C = (-12) + (+9) = -3.$
4.  $D = (-2) + (+7) = +5.$
5.  $E = (+100) + (-92,1) = +7,9.$
6.  $F = (-2,5) + (-1,3) = -3,8.$
7.  $G = (+10,2) + (+7,5) = +17,7.$

## Exercice 3.

1.  $A = 2 - 5 + 8 = 5.$
2.  $B = 5 - 8 + 13 - 7 = 3.$
3.  $C = -8 + 10 - 12 + 2 = -8.$
4.  $D = -150 + 25 + 75 - 100 = -150.$
5.  $E = 7 + 9 - 10 - 200 = -194.$
6.  $F = 26 - 74 - 132 + 120 = -60.$
7.  $G = 2,3 + 5,2 + 10,1 - 5,5 = 12,1.$
8.  $H = -40,7 - 7,5 - 12 - 5,5 = -65,7.$

## Exercice 4.

1.  $A = -20.$
2.  $B = 56.$
3.  $C = -1,47.$
4.  $D = 70.$
5.  $E = -7.$
6.  $F = -55,5.$
7.  $G = -1,75.$
8.  $H = 16.$

## Exercice 5.

1. 
$$\begin{aligned}(2 - 7)^2 - (-5) &= (-5)^2 - (-5) \\ &= 25 - (-5) \\ &= 25 + 5 = 30\end{aligned}$$
2. 
$$\begin{aligned}10 \times (3 - 7) \div 2 &= 10 \times (-4) \div 2 \\ &= -40 \div 2 \\ &= -20\end{aligned}$$
3. 
$$\begin{aligned}-0,1 \times 12 - 10^2 &= -0,1 \times 12 - 100 \\ &= -1,2 - 100 = -101,2\end{aligned}$$
4. 
$$\begin{aligned}(-3)^3 \times 2 - (4 + 2)^2 &= -9 \times 2 - (4 + 2)^2 \\ &= -9 \times 2 - 6^2 \\ &= -9 \times 2 - 36 \\ &= -18 - 36 = -54\end{aligned}$$
5. 
$$\begin{aligned}3 \times (-2) \times (-4) \times (-7 + 2) &= 3 \times (-2) \times (-4) \times (-5) \\ &= -6 \times (-4) \times (-5) \\ &= 24 \times (-5) = -120\end{aligned}$$
6. 
$$\begin{aligned}((2 - 4 - (-2,5)) \times 2)^2 &= ((2 - 4 + 2,5) \times 2)^2 \\ &= (0,5 \times 2)^2 \\ &= 1^2 = 1\end{aligned}$$
7.  $(50^2 \times 12,4 - 123,6) \times 0 - 7 = 0 - 7 = -7 .$