

Exercice 1 (8 points)

Recopiez et remplissez les pointillés :

a) $8 + (-3) = \dots$

b) $9 - (-5) = \dots$

c) $-8 + 4 = \dots$

d) $-9 - 7 = \dots$

e) $-5 + (-4) = \dots$

f) $-5 - (-5) = \dots$

g) $-1 + \dots = 4$

h) $-1 - \dots = 7$

Exercice 2 (6 points)

Calculez les sommes suivantes en détaillant vos étapes.

a) $-1 + 3 + 2 + (-4) + (-5) + 6 = 3 + 2 + 6 + (-1) + (-4) + (-5) = 11 - 10 = +1$

b) $-1 - (-3) - 2 + (-4) + (-5) + 6 = 3 + 6 + (-1) + (-2) + (-4) + (-5) = 9 - 12 = -3$

c) $-2 + 3 + 4 - (-4) + (-7) + 6 = 3 + 4 + 6 + (-2) + (-7) = 17 - 9 = 8$

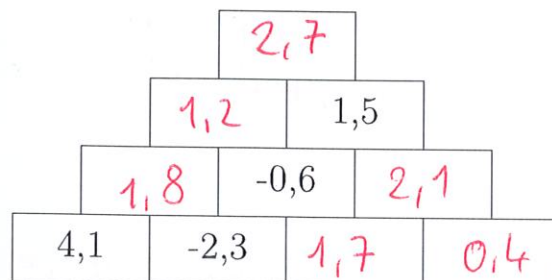
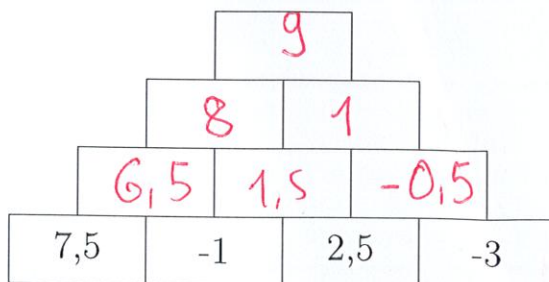
d) $-6 - (3 + 2 + (-4)) - ((-5) + 6) = -6 - 1 - 1 = -8$

e) $1,3 - 2,1 + (-3,4) - (-5,6) - (+1,4) = 1,3 + 5,6 + (-2,1) + (-3,4) + (-1,4) = 6,9 - 6,9 = 0$

f) $1,03 + 3,4 + 6 + (-4,13) + (-5,4) + 2,1 = 12,53 - 9,53 = 3$

Exercice 3 (6 points)

Remplissez les pyramides additives suivantes (chaque nombre est la somme des deux nombres en-dessous de lui.)



Ex 2.

$$\begin{aligned} a) & -1 + 3 + 2 + (-4) + (-5) + 6 \\ & = (-1) + (-4) + (-5) + 3 + 2 + 6 \\ & = (-10) + 11 \\ & = +1 \end{aligned}$$

$$\begin{aligned} b) & -1 - (-3) - 2 + (-4) + (-5) + 6 \\ & = -1 + 3 - 2 + (-4) + (-5) + 6 \\ & = 3 + 6 + (-1) + (-2) + (-4) + (-5) \\ & = 9 + (-12) \\ & = -3 \end{aligned}$$

$$\begin{aligned} c) & -2 + 3 + 4 - (-4) + (-7) + 6 \\ & = -2 + 3 + 4 + 4 + (-7) + 6 \\ & = 3 + 4 + 4 + 6 + (-2) + (-7) \\ & = 17 + (-9) \\ & = 8 \end{aligned}$$

$$\begin{aligned} d) & -6 - (3 + 2 + (-4)) - ((-5) + 6) \\ & = -6 - (5 + (-4)) - 1 \\ & = -6 - 1 - 1 \\ & = -8 \end{aligned}$$

$$\begin{aligned} e) & 1,3 - 2,1 + (-3,4) - (-5,6) - (+1,4) \\ & = 1,3 + (-2,1) + (-3,4) + 5,6 + (-1,4) \\ & = 1,3 + 5,6 + (-2,1) + (-3,4) + (-1,4) \\ & = 6,9 + (-6,9) \\ & = 0 \end{aligned}$$

$$\begin{aligned} f) & 1,03 + 3,4 + 6 + (-4,13) + (-5,4) + 2,1 \\ & = 1,03 + 3,4 + 6 + 2,1 + (-4,13) + (-5,4) \\ & = 12,53 + (-9,53) \\ & = 3 \end{aligned}$$