

LA PROVIDENCE – MONTPELLIER

CORRIGE – M. QUET

EXERCICE 1.

k. $-2 \times 3 = -6$	l. $6 \times (-4) = -24$	m. $7 \times (-1) = -7$	n. $-9 \times (-3) = 27$	o. $0 \times (-254) = 0$
p. $-1 \times (-1) = 1$	q. $5 \times 6 = 30$	r. $-7 \times (-7) = 49$	s. $-6 \times 9 = -54$	t. $-11 \times (-8) = 88$

EXERCICE 2. Calculer mentalement:

Exemple : A = $-2 \times 3 \times (-5) \times 8$ (Il y a 2 facteurs négatifs) A = + 240 (donc le produit est POSITIF)	B = $-6 \times (-1) \times 2 \times (-1) \times (-5) \times 7$ B = $+2 \times 5 \times 6 \times 7 \times 1 \times 1$ B = 420
C = $-10 \times 2 \times (-2) \times 5 \times (-3) \times (-5) \times (-7)$ C = $-10 \times 2 \times 5 \times 2 \times 5 \times 3 \times 7$ C = -35 000	D = $-1 \times (-2) \times (-3) \times 5 \times 10$ D = $-1 \times 2 \times 5 \times 3 \times 10$ D = -300
E = $10 \times (-0,1) \times (-1000) \times 0,01 \times (-100)$ E = -1 000	F = $(-1) \times (-12) \times 13 \times (-14) \times (-47) \times (-134) \times 94 \times 0$ F = 0

EXERCICE 3. Calculer mentalement :

k. $-9 : 3 = -3$	l. $12 : (-4) = -3$	m. $-8 : (-2) = 4$	n. $32 : (-4) = -8$	o. $-21 : (-3) = 7$
p. $-63 : (-7) = 9$	q. $-9 : (-9) = 1$	r. $-23 : (-1) = 23$	s. $-45 \times (-9) = 5$	t. $0 : (-6) = 0$

EXERCICE 4. Calculer mentalement les quotients suivants :

k. $\frac{-10}{5} = -2$	l. $\frac{-8}{2} = -4$	m. $\frac{6}{-3} = -2$	n. $\frac{12}{-6} = -2$	o. $\frac{27}{-3} = -9$
p. $\frac{-63}{-9} = 7$	q. $\frac{950}{-10} = -95$	r. $\frac{-74}{-10} = 7,4$	s. $\frac{9,3}{-100} = -0,093$	t. $\frac{0}{-152} = 0$

EXERCICE 5.

Calculer en respectant les priorités:

Exemple : A = $-2 \times (-3) + 7 \times (-4)$ (priorité aux multiplications) A = $6 + (-28)$ (addition de 2 nombres de signes différents) A = -22	B = $-9 \times 2 + 5 \times (-6) - 3$ B = $-18 + (-30) - 3$ B = $-18 - 30 - 3$ B = -51	C = $-6 + 7 \times (-3) - 6 \times (-1)$ C = $-6 + (-21) - (-6)$ C = $-6 - 21 + 6$ C = -21
D = $(-1) \times (-2) + (-3) - (-4) \times (-5)$ D = $2 + (-3) - 20$ D = $2 - 3 - 20$ D = -21	E = $[-3 - 5 \times (-2)] \times [8 + (-1)]$ E = $[-3 - (-10)] \times 7$ E = $(-3 + 10) \times 7$ E = 7×7 E = 49	F = $[-2 + (-9)] \times [7 - (-6) \times (-4)]$ F = $-11 \times (7 - 24)$ F = $-11 \times (-17)$ F = 187