

Nombres relatifs : multiplication et division

Exercice : 01

Compléter le tableau :

L'opération	Son signe	Sa distance à zéro
$(-25) \times 4$		
$(-19) \times (-10)$		
$(-5) \times (+24)$		
$(+6) \times (7)$		
$(-15) \div 5$		
$6 \div (-12)$		
$(-32) \div (-10)$		

Exercice : 02

Choisir la réponse correcte :

L'opération	Réponse 1	Réponse 2	Réponse 3	Réponse correcte
$(-7) \times 6$	100	-100	-40	
$(-5) \times (-8)$	20	-140	-20	
$9 \times (-3)$	0	+17.5	-17.5	
$15 \div (-15)$	40.5	-40.5	+19.5	
$(-32) \div (-16)$	-120.2	+120.2	-20.2	
$0 \div (-13.5)$	-120.2	+120.2	-20.2	

Exercice : 03

Calculer :

$$\begin{array}{llll}
 (-32) \times 100 & ;; & (-9) \times (-11) & ;; & 0 \times (-76.8) \\
 (-2.5) \times (+8) & ;; & (-3.2) + (-3.2) & ;; & (-1) \times 13.8 \\
 (+19) \times (-2) & ;; & (-352) \times 1 & ;; & (-2022) + (-2)
 \end{array}$$

Exercice : 04

Calculer :

$$\begin{array}{llll}
 (-100) \div 2 & ;; & (-25) \div (-5) & ;; & (-16) \div (+32) & ;; & (-35.6) \div (-10) \\
 (-371) \div 1 & ;; & (-2.9) \div (-1) & ;; & 121 \div (-11) & ;; & 0 \div (-34.9)
 \end{array}$$

Exercice : 05

Calculer :

$$\begin{array}{llll} (-2.7) \times (-3) & ;; & 5 \times (-13) & ;; & (-2.7) \div (-3) & ;; & 75 \div (75) \\ (-9) \times (+9) & ;; & (-75.3) \times 0 & ;; & \frac{-15}{5} & ;; & \frac{-32}{-2} \end{array}$$

Exercice : 06

Compléter le tableau suivant :

L'opération	Son signe
$A = (-37) \times (+18) \times (-39) \times (-45.3)$	
$B = (+9.5) \times (-11.2) \times (-3.2) \times (+53) \times 19$	
$C = \frac{(-15) \times (-32) \times 17}{(-99) \times (-19) \times 65}$	
$D = (-13) \times (+15) \times (-9) \div (-120)$	

Exercice : 07

Compléter :

$$\begin{array}{llll} (-8) \times \dots = 16 & ;; & \dots \times (-87.5) = 0 & ;; & (-37.9) \times \dots = (+37.9) \\ \dots \times (-45) = (-450) & ;; & (-32) \div \dots = (-9) & ;; & \dots \div (-5) = 120 \\ \dots \times 20225 = 2022 & ;; & \dots \div \dots = -5.6 & ;; & (-39) \div \dots = 39 \end{array}$$

Exercice : 08

Calculer :

$$\begin{array}{ll} A = (-7) \times 2 \times (-3) \times (-5) & ;; & B = 17.5 \times (-39) \times 0 \times (-45.7) \\ C = (-32) \times 1 \times (-4) \times 0.1 & ;; & D = 7.5 \times (-2) \times (-1) \times 10 \end{array}$$

Exercice : 09

Calculer :

$$\begin{array}{lll} E = (3 - 5) \times (-3.7) & ;; & F = 4 + 6 \times (-2) & ;; & G = 5 - 5 \times 6 + 10 \\ H = (-6 - 4) \times (15 - 20) & ;; & I = (-3) \times [5 - 7(3 - 4)] + (-1) \end{array}$$

Exercice : 10

Calculer :

$$J = (-1.25) \times 10 \times 2 \times (-100) \times (-4)$$

$$K = (-375) \times 5 \times (-0.01) \times (-2) \times (-1)$$

Exercice : 11

On pose $a = -50$ et $b = 10$

Calculer :

$$a \div b \quad ; ; \quad a \times b \quad ; ; \quad b \div a \quad ; ; \quad (5 \times a)(-3 \times b)$$