

Nom :

Contrôle n° 2

Sujet A

Exercice n° 1 : Expliquer comment déterminer le signe ... **2 points**

1. d'une addition de deux nombres relatifs?

.....
.....

2. de la multiplication de deux nombres relatifs?

.....
.....

Exercice n° 2 : Calculer **3 points**

$(-4) \times (+3) = \dots\dots\dots$ $(+7) \times (-6) = \dots\dots\dots$

$(-10) \times (-4) = \dots\dots\dots$ $(-4) \times (+8) = \dots\dots\dots$

$(+9) \times (-7) = \dots\dots\dots$ $(-5) \times (-8) = \dots\dots\dots$

Exercice n° 3 : Calculer **3 points**

$(-5) + (+3) = \dots\dots\dots$ $-3 + 4 = \dots\dots\dots$

$(-5) - (-3) = \dots\dots\dots$ $-3 \times 4 = \dots\dots\dots$

$(-5) \times (-3) = \dots\dots\dots$ $-3 - 4 = \dots\dots\dots$

Exercice n° 4 **2 points**

Sachant que $2 \times 3 \times 4 \times 5 \times 6 = 720$, compléter les calculs suivants.

$(-2) \times (-3) \times 4 \times (-5) \times (-6) = \dots\dots\dots$

$(-2) \times (-3) \times (-4) \times (-5) \times (-6) = \dots\dots\dots$

$2 \times (-3) \times 4 \times 5 \times (-6) = \dots\dots\dots$

$2 \times 3 \times 4 \times (-5) \times 6 = \dots\dots\dots$

Exercice n° 5 : Calculer **3 points**

$A = (-4) \times (-3) + 5 \times (-2) + 4$

$A = \dots\dots\dots$

$A = \dots\dots\dots$

$A = \dots\dots\dots$

$B = (-5 + 3) \times (-10) + (-2 - 3) \times 5 - (-10)$

$B = \dots\dots\dots$

$B = \dots\dots\dots$

$B = \dots\dots\dots$

Nom :

Contrôle n° 2

Sujet B

Exercice n° 1 : Expliquer comment déterminer le signe ... **2 points**

1. de la multiplication de deux nombres relatifs ?

.....
.....

2. d'une addition de deux nombres relatifs ?

.....
.....

Exercice n° 2 : Calculer **3 points**

$(-5) \times (-6) = \dots\dots\dots$ $(+8) \times (-6) = \dots\dots\dots$

$(-6) \times (+3) = \dots\dots\dots$ $(-3) \times (+9) = \dots\dots\dots$

$(-7) \times (+10) = \dots\dots\dots$ $(-5) \times (-7) = \dots\dots\dots$

Exercice n° 3 : Calculer **3 points**

$(-7) + (+3) = \dots\dots\dots$ $-3 + 5 = \dots\dots\dots$

$(-7) - (-3) = \dots\dots\dots$ $-3 \times 5 = \dots\dots\dots$

$(-7) \times (-3) = \dots\dots\dots$ $-3 - 5 = \dots\dots\dots$

Exercice n° 4 **2 points**

Sachant que $3 \times 4 \times 5 \times 6 \times 7 = 2\,520$, compléter les calculs suivants.

$(-3) \times (-4) \times (-5) \times (-6) \times (-7) = \dots\dots\dots$

$(-3) \times (-4) \times (-5) \times 6 \times 7 = \dots\dots\dots$

$3 \times (-4) \times (-5) \times 6 \times 7 = \dots\dots\dots$

$(-3) \times 4 \times 5 \times 6 \times 7 = \dots\dots\dots$

Exercice n° 5 : Calculer **3 points**

$A = (-5) \times (-2) + 4 \times (-3) + 4$

$A = \dots\dots\dots$

$A = \dots\dots\dots$

$A = \dots\dots\dots$

$B = (-8 + 5) \times (-10) + (-2 - 3) \times 5 - (-10)$

$B = \dots\dots\dots$

$B = \dots\dots\dots$

$B = \dots\dots\dots$

Nom :

Contrôle n° 2

Sujet C

Exercice n° 1 : Expliquer comment déterminer le signe ... **2 points**

1. de la multiplication de deux nombres relatifs ?

.....
.....

2. d'une addition de deux nombres relatifs ?

.....
.....

Exercice n° 2 : Calculer **3 points**

$(-8) \times (-3) = \dots\dots\dots$ $(+5) \times (-6) = \dots\dots\dots$

$(-9) \times (+4) = \dots\dots\dots$ $(-3) \times (+5) = \dots\dots\dots$

$(-6) \times (+10) = \dots\dots\dots$ $(-7) \times (-7) = \dots\dots\dots$

Exercice n° 3 : Calculer **3 points**

$(-10) + (+3) = \dots\dots\dots$ $-3 + 8 = \dots\dots\dots$

$(-10) - (-3) = \dots\dots\dots$ $-3 \times 8 = \dots\dots\dots$

$(-10) \times (-3) = \dots\dots\dots$ $-3 - 8 = \dots\dots\dots$

Exercice n° 4 **2 points**

Sachant que $3 \times 3 \times 3 \times 3 \times 3 = 243$, compléter les calculs suivants.

$(-3) \times (-3) \times (-3) \times (-3) \times (-3) = \dots\dots\dots$

$(-3) \times (-3) \times (-3) \times 3 \times 3 = \dots\dots\dots$

$3 \times (-3) \times (-3) \times 3 \times 3 = \dots\dots\dots$

$(-3) \times 3 \times 3 \times 3 \times 3 = \dots\dots\dots$

Exercice n° 5 : Calculer **3 points**

$A = (-5) \times (-4) + 4 \times (-3) + 10$

$A = \dots\dots\dots$

$A = \dots\dots\dots$

$A = \dots\dots\dots$

$B = (-10 + 5) \times (-10) + (-2 - 3) \times 5 - (-10)$

$B = \dots\dots\dots$

$B = \dots\dots\dots$

$B = \dots\dots\dots$

Nom :

Contrôle n° 2

Sujet D

Exercice n° 1 : Expliquer comment déterminer le signe ... **2 points**

1. de la multiplication de deux nombres relatifs ?

.....
.....

2. d'une addition de deux nombres relatifs ?

.....
.....

Exercice n° 2 : Calculer **3 points**

$(-5) \times (-3) = \dots\dots\dots$ $(+8) \times (-3) = \dots\dots\dots$

$(-8) \times (+4) = \dots\dots\dots$ $(-5) \times (+9) = \dots\dots\dots$

$(-2) \times (+10) = \dots\dots\dots$ $(-5) \times (-5) = \dots\dots\dots$

Exercice n° 3 : Calculer **3 points**

$(-10) + (+2) = \dots\dots\dots$ $-3 + 9 = \dots\dots\dots$

$(-10) - (-2) = \dots\dots\dots$ $-3 \times 9 = \dots\dots\dots$

$(-10) \times (-2) = \dots\dots\dots$ $-3 - 9 = \dots\dots\dots$

Exercice n° 4 **2 points**

Sachant que $2 \times 2 \times 2 \times 2 \times 2 = 32$, compléter les calculs suivants.

$(-2) \times (-2) \times (-2) \times (-2) \times (-2) = \dots\dots\dots$

$(-2) \times (-2) \times (-2) \times 2 \times 2 = \dots\dots\dots$

$2 \times (-2) \times (-2) \times 2 \times 2 = \dots\dots\dots$

$(-2) \times 2 \times 2 \times 2 \times 2 = \dots\dots\dots$

Exercice n° 5 : Calculer **3 points**

$A = (-5) \times (-6) + 3 \times (-4) + 4$

$A = \dots\dots\dots$

$A = \dots\dots\dots$

$A = \dots\dots\dots$

$B = (-8 + 5) \times (-10) + (-2 - 3) \times 5 - (-10)$

$B = \dots\dots\dots$

$B = \dots\dots\dots$

$B = \dots\dots\dots$

Correction du contrôle n° 2**Sujet A****Exercice n° 2****3 points**

$$(-4) \times (+3) = -12$$

$$(+7) \times (-6) = -42$$

$$(-10) \times (-4) = 40$$

$$(-4) \times (+8) = -32$$

$$(+9) \times (-7) = -63$$

$$(-5) \times (-8) = 40$$

Exercice n° 3**3 points**

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

$$-3 + 4 = 1$$

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

$$-3 \times 4 = -12$$

$$(-5) \times (-3) = 15$$

$$-3 - 4 = -7$$

Exercice n° 4**2 points**

$$(-2) \times (-3) \times 4 \times (-5) \times (-6) = 720$$

$$(-2) \times (-3) \times (-4) \times (-5) \times (-6) = -720$$

$$2 \times (-3) \times 4 \times 5 \times (-6) = 720$$

$$2 \times 3 \times 4 \times (-5) \times 6 = -720$$

Exercice n° 5**3 points**

$$A = (-4) \times (-3) + 5 \times (-2) + 4 = 12 - 10 + 4 = 6$$

$$B = (-5 + 3) \times (-10) + (-2 - 3) \times 5 - (-10)$$

$$B = -2 \times (-10) + (-5) \times 5 + (+10) = 20 - 25 + 10 = 5$$

Correction du contrôle n° 2**Sujet B****Exercice n° 2****3 points**

$$(-5) \times (-6) = 30$$

$$(+8) \times (-6) = -48$$

$$(-6) \times (+3) = -18$$

$$(-3) \times (+9) = -27$$

$$(-7) \times (+10) = -70$$

$$(-5) \times (-7) = 35$$

Exercice n° 3**3 points**

$$(-7) + (+3) = -4$$

$$-3 + 5 = 2$$

$$(-7) - (-3) = (-7) + (+3) = -4$$

$$-3 \times 5 = -15$$

$$(-7) \times (-3) = 21$$

$$-3 - 5 = -8$$

Exercice n° 4**2 points**

$$(-3) \times (-4) \times (-5) \times (-6) \times (-7) = -2\,520$$

$$(-3) \times (-4) \times (-5) \times 6 \times 7 = -2\,520$$

$$3 \times (-4) \times (-5) \times 6 \times 7 = 2\,520$$

$$(-3) \times 4 \times 5 \times 6 \times 7 = -2\,520$$

Exercice n° 5**3 points**

$$A = (-5) \times (-2) + 4 \times (-3) + 4 = 10 - 12 + 4 = 2$$

$$B = (-8 + 5) \times (-10) + (-2 - 3) \times 5 - (-10)$$

$$B = -3 \times (-10) + (-5) \times 5 + (+10) = 30 - 25 + 10 = 15$$

Correction du contrôle n° 2**Sujet C****Exercice n° 2****3 points**

$$(-8) \times (-3) = 24$$

$$(+5) \times (-6) = -30$$

$$(-9) \times (+4) = -36$$

$$(-3) \times (+5) = -15$$

$$(-6) \times (+10) = -60$$

$$(-7) \times (-7) = 49$$

Exercice n° 3**3 points**

$$(-10) + (+3) = -7$$

$$-3 + 8 = 5$$

$$(-10) - (-3) = (-10) + (+3) = -7$$

$$-3 \times 8 = -24$$

$$(-10) \times (-3) = 30$$

$$-3 - 8 = -11$$

Exercice n° 4**2 points**

$$(-3) \times (-3) \times (-3) \times (-3) \times (-3) = -243$$

$$(-3) \times (-3) \times (-3) \times 3 \times 3 = -243$$

$$3 \times (-3) \times (-3) \times 3 \times 3 = 243$$

$$(-3) \times 3 \times 3 \times 3 \times 3 = -243$$

Exercice n° 5**3 points**

$$A = (-5) \times (-4) + 4 \times (-3) + 10 = 20 - 12 + 10$$

$$A = 30 - 12 = 18$$

$$B = (-10 + 5) \times (-10) + (-2 - 3) \times 5 - (-10) = -5 \times (-10) + (-5) \times 5 + (+10)$$

$$B = 50 - 25 + 10 = 35$$

Correction du contrôle n° 2**Sujet D****Exercice n° 2****3 points**

$$(-5) \times (-3) = 15$$

$$(+8) \times (-3) = -24$$

$$(-8) \times (+4) = -32$$

$$(-5) \times (+9) = -45$$

$$(-2) \times (+10) = -20$$

$$(-5) \times (-5) = 25$$

Exercice n° 3**3 points**

$$(-10) + (+2) = -8$$

$$-3 + 9 = 6$$

$$(-10) - (-2) = (-10) + (+2) = -8$$

$$-3 \times 9 = -27$$

$$(-10) \times (-2) = 20$$

$$-3 - 9 = -12$$

Exercice n° 4**2 points**

$$(-2) \times (-2) \times (-2) \times (-2) \times (-2) = -32$$

$$(-2) \times (-2) \times (-2) \times 2 \times 2 = -32$$

$$2 \times (-2) \times (-2) \times 2 \times 2 = 32$$

$$(-2) \times 2 \times 2 \times 2 \times 2 = -32$$

Exercice n° 5**3 points**

$$A = (-5) \times (-6) + 3 \times (-4) + 4 = 30 - 12 + 4$$

$$A = 34 - 12 = 22$$

$$B = (-8 + 5) \times (-10) + (-2 - 3) \times 5 - (-10) = (-3) \times (-10) + (-5) \times 5 + (+10)$$

$$B = 30 - 25 + 10 = 15$$