

**Exercice 1 : calcule**

$$A = (-5) - (-19) - (-48) = -5 + 19 + 48 = 62$$

$$B = -5 + 34 + 17 = 46$$

$$C = -3,5 + 3,4 + 7 - 15 = -18,5 + 10,4 = -8,1$$

$$D = (-2) - (-1) - 5 + 4 + 77$$

$$= -2 + 1 - 5 + 4 + 77 = -7 + 82 = 75$$

$$E = (-3 + 9) - (4 - 11) - (-5 - 6) =$$

$$6 - (-7) - (-11) = 6 + 7 + 11 = 24$$

$$F = -3 + 12 - (13 - 8) - (3 + 8) =$$

$$-3 + 12 - 5 - 11 = -19 + 12 = -7$$

$$G = -3 - [4 - (3 - 9)] =$$

$$-3 - (4 - (-6)) = -3 - (4 + 6) = -3 - 10 = -13$$

**Exercice 2 : Complète le tableau.**

| a   | b  | c  | $a - b + c$ | $a \times b + c$ | $2 \times a - 3 \times b + c$ |
|-----|----|----|-------------|------------------|-------------------------------|
| 4   | -1 | 2  | 7           | -2               | 13                            |
| -6  | -5 | 7  | 6           | 37               | 10                            |
| 1,5 | -9 | -8 | 2,5         | -21,5            | 22                            |

**Exercice 3 :**

Écris chacune de ces expressions avec le moins de signes possible puis calcule.

$$A = 7 + (-6) \times (-6) = 7 + 36 = 43$$

$$D = -3 - 9 \times (-3) = -3 + 27 = 24$$

$$B = 13 - (+3) \times (-4) - 8 = 13 + 12 - 8 = 17$$

$$E = -3 \times 6 \times (-2 + 8) = -108$$

$$C = -30 \div (-9 + 15) = -30 : 6 = -5$$

**Exercice 4 :**

Effectuer les opérations suivantes en détaillant les étapes de calcul, puis colorier les cases correspondant aux différents résultats.

$$A = -7 \times (-2) - (-11) = 14 + 11 = 25$$

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

$$C = -3 \times (-9 - (-5)) = -3 \times (-9 + 5) = -3 \times (-4) = 12$$

$$D = -7 - 24 : (-6) = -7 + 4 = -3$$

$$E = -45 : (-9) + (-1) = 5 - 1 = 4$$

$$F = (-2 - 5) \times 4 - 9 = -7 \times 4 - 9 = -28 - 9 = -37$$

$$G = (-2) + (-3) \times 5 = -2 - 15 = -17$$

$$H = -7 - 5 \times 4 = -7 - 20 = -27$$

$$I = 7 \times (-6) - (-2) = -42 + 2 = -40$$

$$J = 3 \times 5 - (5 - 12) = 15 - (-7) = 15 + 7 = 22$$

$$K =$$

$$5 - (25 - 5 \times 6) = 5 - (25 - 30) = 5 - (-5) = 5 + 5 = 10$$

$$L = 6 \times (-7) - 15 \times (-3) = -42 + 45 = 3$$

$$M = -38 + 8 \times 7 + 16 : (-4) = -38 + 56 - 4 = 14$$

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| -8  | 19  | 40  | -51 | +5  | 13  | -12 |
| 23  | -6  | -7  | 35  | 25  | 4   | 0   |
| 33  | -25 | 11  | 27  | -1  | -40 | +3  |
| 12  | -13 | -18 | 42  | 17  | +6  | 9   |
| -63 | +14 | -27 | +2  | +10 | 28  | -4  |
| 1   | -37 | -5  | -11 | -17 | -14 | +8  |
| -9  | -3  | 19  | 18  | 22  | 63  | -21 |

$$N = (2 - 6 \times (-3)) : (-5 \times 11 + 35) = (2 + 18) : (-55 + 35) = 20 : (-20) = -1$$

$$O = 7 - (-3 + (5 - 4 \times 3)) = 7 - (-3 + (5 - 12)) = 7 - (-3 - 7) = 7 - (-10) = 7 + 10 = 17$$