

PRIORITÉS ET PUISSANCES

EX
1

Calculer :

$$A = (-1)^2 + 4 + 4 \times 7$$

$$B = (5 + 7 + (-1)^2) \times 6$$

$$C = 5 \times ((-1)^2 + 1 \times (-1))$$

$$D = (-3)^2 + (-4) \times 4$$

$$E = (-1)^2 \times (-5 - 5 - 6)$$

PRIORITÉS ET PUISSANCES

EX
1 Calculer :

$$A = (-2)^2 \times (-6 + 2 - 1)$$

$$B = (-6)^2 + 4 - 1 \times (-5)$$

$$C = 2 \times ((-3)^2 + 2 \times (-3))$$

$$D = (-1)^2 \times (-6 - 5)$$

$$E = (-6)^2 + 2 \times 4$$

PRIORITÉS ET PUISSANCES

EX
1

Calculer :

$$A = 1 + 3^2 \times (-2)$$

$$B = -5 \times ((-1)^2 + 2 \times (-1))$$

$$C = (-7 + 7 + (-1)^2) \times 4$$

$$D = 6^2 - 5 + 2 \times 5$$

$$E = (-1)^2 \times (1 + 3 - 4)$$

PRIORITÉS ET PUISSANCES

EX
1

Calculer :

$$A = -6 + 1^2 \times 3$$

$$B = (-2)^2 \times (7 + 7 + 4)$$

$$C = 7^2 - 7 - 5 \times (-2)$$

$$D = -3 \times ((-1)^2 + 2 \times (-1))$$

$$E = 4^2 + (-1) \times 4$$

PRIORITÉS ET PUISSANCES

EX
1

Calculer :

$$A = (-4)^2 + 2 - 6 \times (-1)$$

$$B = 5 + 1^2 \times 6$$

$$C = (-2)^2 + (-3) \times 5$$

$$D = 1 \times ((-1)^2 + 2 \times (-1))$$

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

PRIORITÉS ET PUISSANCES

Corrections

EX
1

$$\begin{aligned} A &= (-1)^2 + 4 + 4 \times 7 \\ &= 1 + 4 + 4 \times 7 \\ &= 1 + 4 + 28 \end{aligned}$$

$$A = 33$$

$$\begin{aligned} B &= (5 + 7 + (-1)^2) \times 6 \\ &= (5 + 7 + 1) \times 6 \\ &= 13 \times 6 \end{aligned}$$

$$B = 78$$

$$\begin{aligned} C &= 5 \times ((-1)^2 + 1 \times (-1)) \\ &= 5 \times (1 + 1 \times (-1)) \\ &= 5 \times (1 - 1) \\ &= 5 \times 0 \end{aligned}$$

$$C = 0$$

$$\begin{aligned} D &= (-3)^2 + (-4) \times 4 \\ &= 9 + (-4) \times 4 \\ &= 9 - 16 \end{aligned}$$

$$D = -7$$

$$\begin{aligned} E &= (-1)^2 \times (-5 - 5 - 6) \\ &= 1 \times (-5 - 5 - 6) \\ &= 1 \times (-16) \end{aligned}$$

$$E = -16$$

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Corrections

EX
1

$$\begin{aligned}A &= (-2)^2 \times (-6 + 2 - 1) \\ &= 4 \times (-6 + 2 - 1) \\ &= 4 \times (-5) \\ \mathbf{A} &= \mathbf{-20}\end{aligned}$$

$$\begin{aligned}B &= (-6)^2 + 4 - 1 \times (-5) \\ &= 36 + 4 + (-1) \times (-5) \\ &= 36 + 4 + 5 \\ \mathbf{B} &= \mathbf{45}\end{aligned}$$

$$\begin{aligned}C &= 2 \times ((-3)^2 + 2 \times (-3)) \\ &= 2 \times (9 + 2 \times (-3)) \\ &= 2 \times (9 - 6) \\ &= 2 \times 3 \\ \mathbf{C} &= \mathbf{6}\end{aligned}$$

$$\begin{aligned}D &= (-1)^2 \times (-6 - 5) \\ &= 1 \times (-6 - 5) \\ &= 1 \times (-11) \\ \mathbf{D} &= \mathbf{-11}\end{aligned}$$

$$\begin{aligned}E &= (-6)^2 + 2 \times 4 \\ &= 36 + 2 \times 4 \\ &= 36 + 8 \\ \mathbf{E} &= \mathbf{44}\end{aligned}$$

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EX
1

$$\begin{aligned}A &= 1 + 3^2 \times (-2) \\ &= 1 + 9 \times (-2) \\ &= 1 - 18\end{aligned}$$

$$A = -17$$

$$\begin{aligned}B &= -5 \times ((-1)^2 + 2 \times (-1)) \\ &= -5 \times (1 + 2 \times (-1)) \\ &= -5 \times (1 - 2) \\ &= -5 \times (-1)\end{aligned}$$

$$B = 5$$

$$\begin{aligned}C &= (-7 + 7 + (-1)^2) \times 4 \\ &= (-7 + 7 + 1) \times 4 \\ &= 1 \times 4\end{aligned}$$

$$C = 4$$

$$\begin{aligned}D &= 6^2 - 5 + 2 \times 5 \\ &= 36 - 5 + 2 \times 5 \\ &= 36 - 5 + 10\end{aligned}$$

$$D = 41$$

$$\begin{aligned}E &= (-1)^2 \times (1 + 3 - 4) \\ &= 1 \times (1 + 3 - 4) \\ &= 1 \times 0\end{aligned}$$

$$E = 0$$

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Corrections

EX
1

$$\begin{aligned} A &= -6 + 1^2 \times 3 \\ &= -6 + 1 \times 3 \\ &= -6 + 3 \end{aligned}$$

$$A = -3$$

$$\begin{aligned} B &= (-2)^2 \times (7 + 7 + 4) \\ &= 4 \times (7 + 7 + 4) \\ &= 4 \times 18 \end{aligned}$$

$$B = 72$$

$$\begin{aligned} C &= 7^2 - 7 - 5 \times (-2) \\ &= 49 - 7 + (-5) \times (-2) \\ &= 49 - 7 + 10 \end{aligned}$$

$$C = 52$$

$$\begin{aligned} D &= -3 \times ((-1)^2 + 2 \times (-1)) \\ &= -3 \times (1 + 2 \times (-1)) \\ &= -3 \times (1 - 2) \\ &= -3 \times (-1) \end{aligned}$$

$$D = 3$$

$$\begin{aligned} E &= 4^2 + (-1) \times 4 \\ &= 16 + (-1) \times 4 \\ &= 16 - 4 \end{aligned}$$

$$E = 12$$

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Corrections

EX
1

$$\begin{aligned} A &= (-4)^2 + 2 - 6 \times (-1) \\ &= 16 + 2 + (-6) \times (-1) \\ &= 16 + 2 + 6 \end{aligned}$$

$$A = 24$$

$$\begin{aligned} B &= 5 + 1^2 \times 6 \\ &= 5 + 1 \times 6 \\ &= 5 + 6 \end{aligned}$$

$$B = 11$$

$$\begin{aligned} C &= (-2)^2 + (-3) \times 5 \\ &= 4 + (-3) \times 5 \\ &= 4 - 15 \end{aligned}$$

$$C = -11$$

$$\begin{aligned} D &= 1 \times ((-1)^2 + 2 \times (-1)) \\ &= 1 \times (1 + 2 \times (-1)) \\ &= 1 \times (1 - 2) \\ &= 1 \times (-1) \end{aligned}$$

$$D = -1$$

$$\begin{aligned} E &= (-3)^2 \times (4 - 3 + 5) \\ &= 9 \times (4 - 3 + 5) \\ &= 9 \times 6 \end{aligned}$$

$$E = 54$$