

Mathématiques - 5eme
Correction de l'Evaluation n°1

Version A

► Exercice 1 :

a) $4^2 = 4 \times 4 = 16$

b) $8^2 = 8 \times 8 = 64$

c) $11^2 = 11 \times 11 = 121$

d) $0,5^2 = 0,5 \times 0,5 = 0,25$

e) $1^3 = 1 \times 1 \times 1 = 1$

f) $10^3 = 1000$

► Exercice 2 :

a)

$$\begin{aligned} A &= 8 + 3 \times 5 \\ &= 8 + 15 \\ &= 23 \end{aligned}$$

b)

$$\begin{aligned} B &= 25 - 3^2 + 4 \\ &= 25 - 9 + 4 \\ &= 16 + 4 \\ &= 20 \end{aligned}$$

c)

$$\begin{aligned} C &= 6 \times (9 - 4) + 10 \\ &= 6 \times 5 + 10 \\ &= 30 + 10 \\ &= 40 \end{aligned}$$

d)

$$\begin{aligned} D &= 36 \div (3 + 3) + 2^3 \\ &= 36 \div 6 + 8 \\ &= 6 + 8 \\ &= 14 \end{aligned}$$

Version B

► Exercice 1 :

a) $6^2 = 36$

b) $7^2 = 49$

c) $10^2 = 100$

d) $0,2^2 = 0,04$

e) $2^3 = 8$

f) $10^3 = 1000$

► Exercice 2 :

a)

$$\begin{aligned} A &= 9 + 4 \times 3 \\ &= 9 + 12 \\ &= 21 \end{aligned}$$

b)

$$\begin{aligned} B &= 30 - 5^2 + 2 \\ &= 30 - 25 + 2 \\ &= 5 + 2 \\ &= 7 \end{aligned}$$

c)

$$\begin{aligned} C &= 7 \times (8 - 5) + 3^2 \\ &= 7 \times 3 + 9 \\ &= 21 + 9 \\ &= 30 \end{aligned}$$

d)

$$\begin{aligned} D &= 42 \div (4 + 3) + 3 \\ &= 42 \div 7 + 3 \\ &= 6 + 3 \\ &= 9 \end{aligned}$$

► Exercise 1 :

a) $5^2 = 25$

b) $9^2 = 81$

c) $12^2 = 144$

d) $0,4^2 = 0,16$

e) $3^3 = 27$

f) $10^3 = 1000$

► Exercise 2 :

a)

$$\begin{aligned} A &= 7 + 5 \times 4 \\ &= 7 + 20 \\ &= 27 \end{aligned}$$

b)

$$\begin{aligned} B &= 28 - 2^3 + 6 \\ &= 28 - 8 + 6 \\ &= 20 + 6 \\ &= 26 \end{aligned}$$

c)

$$\begin{aligned} D &= 8 \times (7 - 3) + 2^3 \\ &= 8 \times 4 + 8 \\ &= 32 + 8 \\ &= 40 \end{aligned}$$

d)

$$\begin{aligned} E &= 48 \div (5 + 3) + 3^2 \\ &= 48 \div 8 + 9 \\ &= 6 + 9 \\ &= 15 \end{aligned}$$

► Exercise 1 :

a) $5^2 = 25$

b) $11^2 = 121$

c) $0,3^2 = 0,09$

d) $8^2 = 64$

e) $1^3 = 1$

f) $10^3 = 1000$

► Exercise 2 :

a)

$$\begin{aligned} A &= 6 + 4 \times 5 \\ &= 6 + 20 \\ &= 26 \end{aligned}$$

b)

$$\begin{aligned} B &= 35 - 4^2 + 5 \\ &= 35 - 16 + 5 \\ &= 19 + 5 \\ &= 24 \end{aligned}$$

c)

$$\begin{aligned} C &= 9 \times (5 - 2) + 7 \\ &= 9 \times 3 + 7 \\ &= 27 + 7 \\ &= 34 \end{aligned}$$

d)

$$\begin{aligned} E &= 54 \div (4 + 2) + 2^3 \\ &= 54 \div 6 + 8 \\ &= 9 + 8 \\ &= 17 \end{aligned}$$