Contrôle chapitre 1

Exercice 1

a) $1,12 + 7 + 1,88 + 3 = (1,12 + 1,88) + (7 + 3)$
$= 3 + 10$
$= 13$

b) $17 + 19 + 21 + 23 + 25 + 27 + 29 + 31 + 33$
$= (17 + 33) + (19 + 31) + (21 + 29) + (23 + 27) + 25$
$= 50 + 50 + 50 + 50 + 25$
$= 100 + 100 + 25$
$= 225$

c) $5 \times 17 \times 4 \times 2 \times 25 = (5 \times 2) \times (4 \times 25) \times 17$
$= 10 \times 100 \times 17$
$= 1\,000 \times 17$
$= 17\,000$

d) $2,5 \times 13 \times 2 = (2,5 \times 2) \times 13$
$= 5 \times 13$
$= 65$

e) $\overbrace{15 \div 3} + \overbrace{2 \times 5} = 5 + 10 = 15$

f) $\overbrace{(14 + 1)} \div 3 \times 5 = \overbrace{15 \div 3} \times 5$
$= \overbrace{5 \times 5}$
$= 25$

g) $23 \div 20 \div 2 + 3 = 1{,}15 \div 2 + 3$

$= 0{,}575 + 3$

$= 3{,}575$

h) $1 + 4 \times (20 + 5) \times 8 + 2 = 1 + 4 \times 25 \times 8 + 2$

$= 1 + 100 \times 8 + 2$

$= 1 + 800 + 2$

$= 803$

i) $(26 - 1 + 5) \div 2 \times 5 = (25 + 5) \div 2 \times 5$

$= 30 \div 2 \times 5$

$= 15 \times 5$

$= 75$

j) $(8 + 4) \div 3) \times (15 - (1 + 4)) = (12 \div 3) \times (15 - 5)$

$= 4 \times 10$

$= 40$

Exercice 2

a) $(2 + 8) \times 3 + 1 = 31$

b) $5 + (6 + 10) \div 2 = 13$

c) $18 \div (2 + 7) + 4 = 6$

d) $8 \div 2 + 2 \times 2 = 8$

Exercice 3

a) $18 \times 36 + 18 \times 64 = 18 \times (36 + 64) = 18 \times 100 = 1\,800.$

b) $361 \times 110 + 361 \times 30 = 361 \times (110+90) = 361 \times 200 = 72\,200$

c) $993 \times 4 + 7 \times 4 = (993+7) \times 4 = 1000 \times 4$

d) $101 \times 54 - 91 \times 54 = (101-91) \times 54 = 10 \times 54 = 540.$