

Standard and Expanded Form

Billions: S4

Write in expanded form.

1) 98,462,185,397 _____

2) 7,258,964,153 _____

3) 516,384,579,291 _____

Write in standard form

1) $(4 \times 10^{10}) + (9 \times 10^9)$
 $+ (4 \times 10^3) + (7 \times 10^1)$

2) $(3 \times 10^9) + (6 \times 10^8)$
 $+ (1 \times 10^1) + (8 \times 10^0)$

3) $(1 \times 10^{11}) + (2 \times 10^{10}) + (4 \times 10^9) + (9 \times 10^8) + (7 \times 10^7) + (3 \times 10^6) + (7 \times 10^5)$
 $+ (1 \times 10^4) + (8 \times 10^3) + (6 \times 10^2) + (2 \times 10^1) + (5 \times 10^0)$

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$+ (3 \times 10^4)$

$+ (9 \times 10^2)$

Standard and Expanded Form

Billions: S4

Write in expanded form.

1) 98,462,185,397 $(9 \times 10^{10}) + (8 \times 10^9) + (4 \times 10^8) + (6 \times 10^7) + (2 \times 10^6)$
 $+ (1 \times 10^5) + (8 \times 10^4) + (5 \times 10^3) + (3 \times 10^2) + (9 \times 10^1) + (7 \times 10^0)$

2) 7,258,964,153 $(7 \times 10^9) + (2 \times 10^8) + (5 \times 10^7) + (8 \times 10^6) + (9 \times 10^5)$
 $+ (6 \times 10^4) + (4 \times 10^3) + (1 \times 10^2) + (5 \times 10^1) + (3 \times 10^0)$

3) 516,384,579,291 $(5 \times 10^{11}) + (1 \times 10^{10}) + (6 \times 10^9) + (3 \times 10^8) + (8 \times 10^7)$
 $+ (4 \times 10^6) + (5 \times 10^5) + (7 \times 10^4) + (9 \times 10^3) + (2 \times 10^2) + (1 \times 10^1) + (1 \times 10^0)$

Write in standard form

1) $(4 \times 10^{10}) + (9 \times 10^9) + (6 \times 10^8) + (3 \times 10^7) + (2 \times 10^6) + (1 \times 10^5) + (8 \times 10^4) + (5 \times 10^3) + (7 \times 10^2) + (9 \times 10^1) + (3 \times 10^0)$

2) $(3 \times 10^9) + (6 \times 10^8) + (2 \times 10^7) + (5 \times 10^6) + (8 \times 10^5) + (1 \times 10^4) + (9 \times 10^3) + (4 \times 10^2) + (7 \times 10^1) + (1 \times 10^0)$

3,647,250,918

3) $(1 \times 10^{11}) + (2 \times 10^{10}) + (4 \times 10^9) + (9 \times 10^8) + (7 \times 10^7) + (3 \times 10^6) + (7 \times 10^5) + (1 \times 10^4) + (8 \times 10^3) + (6 \times 10^2) + (2 \times 10^1) + (5 \times 10^0)$

124,973,718,625

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