

Standard and Expanded Form

Billions: S1

Write in expanded form.

1) 9,512,438,761 _____

2) 81,045,236,907 _____

3) 234,701,032,589 _____

Write in standard form

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

2) $(1 \times 10^{10}) + (9 \times 10^9)$
 $+ (1 \times 10^1) + (2 \times 10^0)$

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

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$+ (9 \times 10^3)$

$+ (6 \times 10^2)$

Standard and Expanded Form

Billions: S1

Write in expanded form.

1) 9,512,438,761 $(9 \times 10^9) + (5 \times 10^8) + (1 \times 10^7) + (2 \times 10^6) + (4 \times 10^5)$
 $+ (3 \times 10^4) + (8 \times 10^3) + (7 \times 10^2) + (6 \times 10^1) + (1 \times 10^0)$

2) 81,045,236,907 $(8 \times 10^{10}) + (1 \times 10^9) + (4 \times 10^7) + (5 \times 10^6) + (2 \times 10^5)$
 $+ (3 \times 10^4) + (6 \times 10^3)$

3) 234,701,032,589 $(2 \times 10^{11}) + (3 \times 10^{10}) + (4 \times 10^9) + (7 \times 10^8) + (1 \times 10^6)$
 $+ (3 \times 10^4) + (2 \times 10^3)$

Write in standard form

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

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

19,804,570,612

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

375,129,485,268

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