

Standard and Expanded Form

Billions: S3

Write in expanded form.

1) 63,824,751,689 _____

2) 352,743,195,860 _____

3) 1,482,369,075 _____

Write in standard form

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

2) $(7 \times 10^{11}) + (4 \times 10^{10})$
 $+ (8 \times 10^4) + (4 \times 10^2) + (2 \times 10^1)$

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

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$+ (7 \times 10^1)$

$+ (5 \times 10^5)$

Standard and Expanded Form

Billions: S3

Write in expanded form.

1) 63,824,751,689 $(6 \times 10^{10}) + (3 \times 10^9) + (8 \times 10^8) + (2 \times 10^7) + (4 \times 10^6)$
 $+ (7 \times 10^5) + (5 \times 10^4) + (1 \times 10^3) + (6 \times 10^2) + (8 \times 10^1) + (9 \times 10^0)$

2) 352,743,195,860 $(3 \times 10^{11}) + (5 \times 10^{10}) + (2 \times 10^9) + (7 \times 10^8) + (4 \times 10^7)$
 $+ (3 \times 10^6) + (1 \times 10^5) + (9 \times 10^4) + (5 \times 10^3) + (8 \times 10^2) + (6 \times 10^1) + (0 \times 10^0)$

3) 1,482,369,075 $(1 \times 10^9) + (4 \times 10^8) + (8 \times 10^7) + (2 \times 10^6) + (3 \times 10^5)$
 $+ (6 \times 10^4) + (9 \times 10^3) + (0 \times 10^2) + (7 \times 10^1) + (5 \times 10^0)$

Write in standard form

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

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

746,139,580,420

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

9,576,802,431

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