

# Expanded Form (SI) (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

815 060 015

562 488 786

244 059 341

424 972 775

123 138 517

897 645 004

809 165 311

290 534 223

169 328 974

349 706 398

# Expanded Form (SI) (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

815 060 015  $800\,000\,000 + 10\,000\,000 + 5\,000\,000 + 60\,000 + 10 + 5$   
 $(8 \times 100\,000\,000) + (1 \times 10\,000\,000) + (5 \times 1\,000\,000) + (6 \times 10\,000) + (1 \times 10) + (5 \times 1)$   
 $(8 \times 10^8) + (1 \times 10^7) + (5 \times 10^6) + (6 \times 10^4) + (1 \times 10^1) + (5 \times 10^0)$

562 488 786  $500\,000\,000 + 60\,000\,000 + 2\,000\,000 + 400\,000 + 80\,000 + 8000 + 700 + 80 + 6$   
 $(5 \times 100\,000\,000) + (6 \times 10\,000\,000) + (2 \times 1\,000\,000) + (4 \times 100\,000) + (8 \times 10\,000) + (8 \times 1000) + (7 \times 100) + (8 \times 10) + (6 \times 1)$   
 $(5 \times 10^8) + (6 \times 10^7) + (2 \times 10^6) + (4 \times 10^5) + (8 \times 10^4) + (8 \times 10^3) + (7 \times 10^2) + (8 \times 10^1) + (6 \times 10^0)$

244 059 341  $200\,000\,000 + 40\,000\,000 + 4\,000\,000 + 50\,000 + 9000 + 300 + 40 + 1$   
 $(2 \times 100\,000\,000) + (4 \times 10\,000\,000) + (4 \times 1\,000\,000) + (5 \times 10\,000) + (9 \times 1000) + (3 \times 100) + (4 \times 10) + (1 \times 1)$   
 $(2 \times 10^8) + (4 \times 10^7) + (4 \times 10^6) + (5 \times 10^4) + (9 \times 10^3) + (3 \times 10^2) + (4 \times 10^1) + (1 \times 10^0)$

424 972 775  $400\,000\,000 + 20\,000\,000 + 4\,000\,000 + 900\,000 + 70\,000 + 2000 + 700 + 70 + 5$   
 $(4 \times 100\,000\,000) + (2 \times 10\,000\,000) + (4 \times 1\,000\,000) + (9 \times 100\,000) + (7 \times 10\,000) + (2 \times 1000) + (7 \times 100) + (7 \times 10) + (5 \times 1)$   
 $(4 \times 10^8) + (2 \times 10^7) + (4 \times 10^6) + (9 \times 10^5) + (7 \times 10^4) + (2 \times 10^3) + (7 \times 10^2) + (7 \times 10^1) + (5 \times 10^0)$

123 138 517  $100\,000\,000 + 20\,000\,000 + 3\,000\,000 + 100\,000 + 30\,000 + 8000 + 500 + 10 + 7$   
 $(1 \times 100\,000\,000) + (2 \times 10\,000\,000) + (3 \times 1\,000\,000) + (1 \times 100\,000) + (3 \times 10\,000) + (8 \times 1000) + (5 \times 100) + (1 \times 10) + (7 \times 1)$   
 $(1 \times 10^8) + (2 \times 10^7) + (3 \times 10^6) + (1 \times 10^5) + (3 \times 10^4) + (8 \times 10^3) + (5 \times 10^2) + (1 \times 10^1) + (7 \times 10^0)$

897 645 004  $800\,000\,000 + 90\,000\,000 + 7\,000\,000 + 600\,000 + 40\,000 + 5000 + 4$   
 $(8 \times 100\,000\,000) + (9 \times 10\,000\,000) + (7 \times 1\,000\,000) + (6 \times 100\,000) + (4 \times 10\,000) + (5 \times 1000) + (4 \times 1)$   
 $(8 \times 10^8) + (9 \times 10^7) + (7 \times 10^6) + (6 \times 10^5) + (4 \times 10^4) + (5 \times 10^3) + (4 \times 10^0)$

809 165 311  $800\,000\,000 + 9\,000\,000 + 100\,000 + 60\,000 + 5000 + 300 + 10 + 1$   
 $(8 \times 100\,000\,000) + (9 \times 1\,000\,000) + (1 \times 100\,000) + (6 \times 10\,000) + (5 \times 1000) + (3 \times 100) + (1 \times 10) + (1 \times 1)$   
 $(8 \times 10^8) + (9 \times 10^6) + (1 \times 10^5) + (6 \times 10^4) + (5 \times 10^3) + (3 \times 10^2) + (1 \times 10^1) + (1 \times 10^0)$

290 534 223  $200\,000\,000 + 90\,000\,000 + 500\,000 + 30\,000 + 4000 + 200 + 20 + 3$   
 $(2 \times 100\,000\,000) + (9 \times 10\,000\,000) + (5 \times 100\,000) + (3 \times 10\,000) + (4 \times 1000) + (2 \times 100) + (2 \times 10) + (3 \times 1)$   
 $(2 \times 10^8) + (9 \times 10^7) + (5 \times 10^5) + (3 \times 10^4) + (4 \times 10^3) + (2 \times 10^2) + (2 \times 10^1) + (3 \times 10^0)$

169 328 974  $100\,000\,000 + 60\,000\,000 + 9\,000\,000 + 300\,000 + 20\,000 + 8000 + 900 + 70 + 4$   
 $(1 \times 100\,000\,000) + (6 \times 10\,000\,000) + (9 \times 1\,000\,000) + (3 \times 100\,000) + (2 \times 10\,000) + (8 \times 1000) + (9 \times 100) + (7 \times 10) + (4 \times 1)$   
 $(1 \times 10^8) + (6 \times 10^7) + (9 \times 10^6) + (3 \times 10^5) + (2 \times 10^4) + (8 \times 10^3) + (9 \times 10^2) + (7 \times 10^1) + (4 \times 10^0)$

349 706 398  $300\,000\,000 + 40\,000\,000 + 9\,000\,000 + 700\,000 + 6000 + 300 + 90 + 8$   
 $(3 \times 100\,000\,000) + (4 \times 10\,000\,000) + (9 \times 1\,000\,000) + (7 \times 100\,000) + (6 \times 1000) + (3 \times 100) + (9 \times 10) + (8 \times 1)$   
 $(3 \times 10^8) + (4 \times 10^7) + (9 \times 10^6) + (7 \times 10^5) + (6 \times 10^3) + (3 \times 10^2) + (9 \times 10^1) + (8 \times 10^0)$

## Expanded Form (SI) (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

861 100 834

439 405 991

538 472 135

554 755 081

559 779 295

908 036 380

827 620 834

681 737 607

619 912 174

212 215 511

# Expanded Form (SI) (B) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

861 100 834  $800\,000\,000 + 60\,000\,000 + 1\,000\,000 + 100\,000 + 800 + 30 + 4$   
 $(8 \times 100\,000\,000) + (6 \times 10\,000\,000) + (1 \times 1\,000\,000) + (1 \times 100\,000) + (8 \times 100) + (3 \times 10) + (4 \times 1)$   
 $(8 \times 10^8) + (6 \times 10^7) + (1 \times 10^6) + (1 \times 10^5) + (8 \times 10^2) + (3 \times 10^1) + (4 \times 10^0)$

439 405 991  $400\,000\,000 + 30\,000\,000 + 9\,000\,000 + 400\,000 + 5000 + 900 + 90 + 1$   
 $(4 \times 100\,000\,000) + (3 \times 10\,000\,000) + (9 \times 1\,000\,000) + (4 \times 100\,000) + (5 \times 1000) + (9 \times 100) + (9 \times 10) + (1 \times 1)$   
 $(4 \times 10^8) + (3 \times 10^7) + (9 \times 10^6) + (4 \times 10^5) + (5 \times 10^3) + (9 \times 10^2) + (9 \times 10^1) + (1 \times 10^0)$

538 472 135  $500\,000\,000 + 30\,000\,000 + 8\,000\,000 + 400\,000 + 70\,000 + 2000 + 100 + 30 + 5$   
 $(5 \times 100\,000\,000) + (3 \times 10\,000\,000) + (8 \times 1\,000\,000) + (4 \times 100\,000) + (7 \times 10\,000) + (2 \times 1000) + (1 \times 100) + (3 \times 10) + (5 \times 1)$   
 $(5 \times 10^8) + (3 \times 10^7) + (8 \times 10^6) + (4 \times 10^5) + (7 \times 10^4) + (2 \times 10^3) + (1 \times 10^2) + (3 \times 10^1) + (5 \times 10^0)$

554 755 081  $500\,000\,000 + 50\,000\,000 + 4\,000\,000 + 700\,000 + 50\,000 + 5000 + 80 + 1$   
 $(5 \times 100\,000\,000) + (5 \times 10\,000\,000) + (4 \times 1\,000\,000) + (7 \times 100\,000) + (5 \times 10\,000) + (5 \times 1000) + (8 \times 10) + (1 \times 1)$   
 $(5 \times 10^8) + (5 \times 10^7) + (4 \times 10^6) + (7 \times 10^5) + (5 \times 10^4) + (5 \times 10^3) + (8 \times 10^1) + (1 \times 10^0)$

559 779 295  $500\,000\,000 + 50\,000\,000 + 9\,000\,000 + 700\,000 + 70\,000 + 9000 + 200 + 90 + 5$   
 $(5 \times 100\,000\,000) + (5 \times 10\,000\,000) + (9 \times 1\,000\,000) + (7 \times 100\,000) + (7 \times 10\,000) + (9 \times 1000) + (2 \times 100) + (9 \times 10) + (5 \times 1)$   
 $(5 \times 10^8) + (5 \times 10^7) + (9 \times 10^6) + (7 \times 10^5) + (7 \times 10^4) + (9 \times 10^3) + (2 \times 10^2) + (9 \times 10^1) + (5 \times 10^0)$

908 036 380  $900\,000\,000 + 8\,000\,000 + 30\,000 + 6000 + 300 + 80$   
 $(9 \times 100\,000\,000) + (8 \times 1\,000\,000) + (3 \times 10\,000) + (6 \times 1000) + (3 \times 100) + (8 \times 10)$   
 $(9 \times 10^8) + (8 \times 10^6) + (3 \times 10^4) + (6 \times 10^3) + (3 \times 10^2) + (8 \times 10^1)$

827 620 834  $800\,000\,000 + 20\,000\,000 + 7\,000\,000 + 600\,000 + 20\,000 + 800 + 30 + 4$   
 $(8 \times 100\,000\,000) + (2 \times 10\,000\,000) + (7 \times 1\,000\,000) + (6 \times 100\,000) + (2 \times 10\,000) + (8 \times 100) + (3 \times 10) + (4 \times 1)$   
 $(8 \times 10^8) + (2 \times 10^7) + (7 \times 10^6) + (6 \times 10^5) + (2 \times 10^4) + (8 \times 10^2) + (3 \times 10^1) + (4 \times 10^0)$

681 737 607  $600\,000\,000 + 80\,000\,000 + 1\,000\,000 + 700\,000 + 30\,000 + 7000 + 600 + 7$   
 $(6 \times 100\,000\,000) + (8 \times 10\,000\,000) + (1 \times 1\,000\,000) + (7 \times 100\,000) + (3 \times 10\,000) + (7 \times 1000) + (6 \times 100) + (7 \times 1)$   
 $(6 \times 10^8) + (8 \times 10^7) + (1 \times 10^6) + (7 \times 10^5) + (3 \times 10^4) + (7 \times 10^3) + (6 \times 10^2) + (7 \times 10^0)$

619 912 174  $600\,000\,000 + 10\,000\,000 + 9\,000\,000 + 900\,000 + 10\,000 + 2000 + 100 + 70 + 4$   
 $(6 \times 100\,000\,000) + (1 \times 10\,000\,000) + (9 \times 1\,000\,000) + (9 \times 100\,000) + (1 \times 10\,000) + (2 \times 1000) + (1 \times 100) + (7 \times 10) + (4 \times 1)$   
 $(6 \times 10^8) + (1 \times 10^7) + (9 \times 10^6) + (9 \times 10^5) + (1 \times 10^4) + (2 \times 10^3) + (1 \times 10^2) + (7 \times 10^1) + (4 \times 10^0)$

212 215 511  $200\,000\,000 + 10\,000\,000 + 2\,000\,000 + 200\,000 + 10\,000 + 5000 + 500 + 10 + 1$   
 $(2 \times 100\,000\,000) + (1 \times 10\,000\,000) + (2 \times 1\,000\,000) + (2 \times 100\,000) + (1 \times 10\,000) + (5 \times 1000) + (5 \times 100) + (1 \times 10) + (1 \times 1)$   
 $(2 \times 10^8) + (1 \times 10^7) + (2 \times 10^6) + (2 \times 10^5) + (1 \times 10^4) + (5 \times 10^3) + (5 \times 10^2) + (1 \times 10^1) + (1 \times 10^0)$

## Expanded Form (SI) (C)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

607 816 238

110 516 950

773 894 660

829 515 041

288 565 409

538 859 417

360 412 305

264 383 779

398 975 638

735 880 624

# Expanded Form (SI) (C) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

**607 816 238**  $600\,000\,000 + 7\,000\,000 + 800\,000 + 10\,000 + 6000 + 200 + 30 + 8$   
 $(6 \times 100\,000\,000) + (7 \times 1\,000\,000) + (8 \times 100\,000) + (1 \times 10\,000) + (6 \times 1000) + (2 \times 100) + (3 \times 10) + (8 \times 1)$   
 $(6 \times 10^8) + (7 \times 10^6) + (8 \times 10^5) + (1 \times 10^4) + (6 \times 10^3) + (2 \times 10^2) + (3 \times 10^1) + (8 \times 10^0)$

**110 516 950**  $100\,000\,000 + 10\,000\,000 + 500\,000 + 10\,000 + 6000 + 900 + 50$   
 $(1 \times 100\,000\,000) + (1 \times 10\,000\,000) + (5 \times 100\,000) + (1 \times 10\,000) + (6 \times 1000) + (9 \times 100) + (5 \times 10)$   
 $(1 \times 10^8) + (1 \times 10^7) + (5 \times 10^5) + (1 \times 10^4) + (6 \times 10^3) + (9 \times 10^2) + (5 \times 10^1)$

**773 894 660**  $700\,000\,000 + 70\,000\,000 + 3\,000\,000 + 800\,000 + 90\,000 + 4000 + 600 + 60$   
 $(7 \times 100\,000\,000) + (7 \times 10\,000\,000) + (3 \times 1\,000\,000) + (8 \times 100\,000) + (9 \times 10\,000) + (4 \times 1000) + (6 \times 100) + (6 \times 10)$   
 $(7 \times 10^8) + (7 \times 10^7) + (3 \times 10^6) + (8 \times 10^5) + (9 \times 10^4) + (4 \times 10^3) + (6 \times 10^2) + (6 \times 10^1)$

**829 515 041**  $800\,000\,000 + 20\,000\,000 + 9\,000\,000 + 500\,000 + 10\,000 + 5000 + 40 + 1$   
 $(8 \times 100\,000\,000) + (2 \times 10\,000\,000) + (9 \times 1\,000\,000) + (5 \times 100\,000) + (1 \times 10\,000) + (5 \times 1000) + (4 \times 10) + (1 \times 1)$   
 $(8 \times 10^8) + (2 \times 10^7) + (9 \times 10^6) + (5 \times 10^5) + (1 \times 10^4) + (5 \times 10^3) + (4 \times 10^1) + (1 \times 10^0)$

**288 565 409**  $200\,000\,000 + 80\,000\,000 + 8\,000\,000 + 500\,000 + 60\,000 + 5000 + 400 + 9$   
 $(2 \times 100\,000\,000) + (8 \times 10\,000\,000) + (8 \times 1\,000\,000) + (5 \times 100\,000) + (6 \times 10\,000) + (5 \times 1000) + (4 \times 100) + (9 \times 1)$   
 $(2 \times 10^8) + (8 \times 10^7) + (8 \times 10^6) + (5 \times 10^5) + (6 \times 10^4) + (5 \times 10^3) + (4 \times 10^2) + (9 \times 10^0)$

**538 859 417**  $500\,000\,000 + 30\,000\,000 + 8\,000\,000 + 800\,000 + 50\,000 + 9000 + 400 + 10 + 7$   
 $(5 \times 100\,000\,000) + (3 \times 10\,000\,000) + (8 \times 1\,000\,000) + (8 \times 100\,000) + (5 \times 10\,000) + (9 \times 1000) + (4 \times 100) + (1 \times 10) + (7 \times 1)$   
 $(5 \times 10^8) + (3 \times 10^7) + (8 \times 10^6) + (8 \times 10^5) + (5 \times 10^4) + (9 \times 10^3) + (4 \times 10^2) + (1 \times 10^1) + (7 \times 10^0)$

**360 412 305**  $300\,000\,000 + 60\,000\,000 + 400\,000 + 10\,000 + 2000 + 300 + 5$   
 $(3 \times 100\,000\,000) + (6 \times 10\,000\,000) + (4 \times 100\,000) + (1 \times 10\,000) + (2 \times 1000) + (3 \times 100) + (5 \times 1)$   
 $(3 \times 10^8) + (6 \times 10^7) + (4 \times 10^5) + (1 \times 10^4) + (2 \times 10^3) + (3 \times 10^2) + (5 \times 10^0)$

**264 383 779**  $200\,000\,000 + 60\,000\,000 + 4\,000\,000 + 300\,000 + 80\,000 + 3000 + 700 + 70 + 9$   
 $(2 \times 100\,000\,000) + (6 \times 10\,000\,000) + (4 \times 1\,000\,000) + (3 \times 100\,000) + (8 \times 10\,000) + (3 \times 1000) + (7 \times 100) + (7 \times 10) + (9 \times 1)$   
 $(2 \times 10^8) + (6 \times 10^7) + (4 \times 10^6) + (3 \times 10^5) + (8 \times 10^4) + (3 \times 10^3) + (7 \times 10^2) + (7 \times 10^1) + (9 \times 10^0)$

**398 975 638**  $300\,000\,000 + 90\,000\,000 + 8\,000\,000 + 900\,000 + 70\,000 + 5000 + 600 + 30 + 8$   
 $(3 \times 100\,000\,000) + (9 \times 10\,000\,000) + (8 \times 1\,000\,000) + (9 \times 100\,000) + (7 \times 10\,000) + (5 \times 1000) + (6 \times 100) + (3 \times 10) + (8 \times 1)$   
 $(3 \times 10^8) + (9 \times 10^7) + (8 \times 10^6) + (9 \times 10^5) + (7 \times 10^4) + (5 \times 10^3) + (6 \times 10^2) + (3 \times 10^1) + (8 \times 10^0)$

**735 880 624**  $700\,000\,000 + 30\,000\,000 + 5\,000\,000 + 800\,000 + 80\,000 + 600 + 20 + 4$   
 $(7 \times 100\,000\,000) + (3 \times 10\,000\,000) + (5 \times 1\,000\,000) + (8 \times 100\,000) + (8 \times 10\,000) + (6 \times 100) + (2 \times 10) + (4 \times 1)$   
 $(7 \times 10^8) + (3 \times 10^7) + (5 \times 10^6) + (8 \times 10^5) + (8 \times 10^4) + (6 \times 10^2) + (2 \times 10^1) + (4 \times 10^0)$

## Expanded Form (SI) (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

354 786 853

576 865 607

964 668 200

974 013 777

535 051 749

931 922 127

105 440 061

993 027 272

194 553 468

482 065 870

# Expanded Form (SI) (D) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

**354 786 853**  $300\,000\,000 + 50\,000\,000 + 4\,000\,000 + 700\,000 + 80\,000 + 6000 + 800 + 50 + 3$   
 $(3 \times 100\,000\,000) + (5 \times 10\,000\,000) + (4 \times 1\,000\,000) + (7 \times 100\,000) + (8 \times 10\,000) + (6 \times 1000) + (8 \times 100) + (5 \times 10) + (3 \times 1)$   
 $(3 \times 10^8) + (5 \times 10^7) + (4 \times 10^6) + (7 \times 10^5) + (8 \times 10^4) + (6 \times 10^3) + (8 \times 10^2) + (5 \times 10^1) + (3 \times 10^0)$

**576 865 607**  $500\,000\,000 + 70\,000\,000 + 6\,000\,000 + 800\,000 + 60\,000 + 5000 + 600 + 7$   
 $(5 \times 100\,000\,000) + (7 \times 10\,000\,000) + (6 \times 1\,000\,000) + (8 \times 100\,000) + (6 \times 10\,000) + (5 \times 1000) + (6 \times 100) + (7 \times 1)$   
 $(5 \times 10^8) + (7 \times 10^7) + (6 \times 10^6) + (8 \times 10^5) + (6 \times 10^4) + (5 \times 10^3) + (6 \times 10^2) + (7 \times 10^0)$

**964 668 200**  $900\,000\,000 + 60\,000\,000 + 4\,000\,000 + 600\,000 + 60\,000 + 8000 + 200$   
 $(9 \times 100\,000\,000) + (6 \times 10\,000\,000) + (4 \times 1\,000\,000) + (6 \times 100\,000) + (6 \times 10\,000) + (8 \times 1000) + (2 \times 100)$   
 $(9 \times 10^8) + (6 \times 10^7) + (4 \times 10^6) + (6 \times 10^5) + (6 \times 10^4) + (8 \times 10^3) + (2 \times 10^2)$

**974 013 777**  $900\,000\,000 + 70\,000\,000 + 4\,000\,000 + 10\,000 + 3000 + 700 + 70 + 7$   
 $(9 \times 100\,000\,000) + (7 \times 10\,000\,000) + (4 \times 1\,000\,000) + (1 \times 10\,000) + (3 \times 1000) + (7 \times 100) + (7 \times 10) + (7 \times 1)$   
 $(9 \times 10^8) + (7 \times 10^7) + (4 \times 10^6) + (1 \times 10^4) + (3 \times 10^3) + (7 \times 10^2) + (7 \times 10^1) + (7 \times 10^0)$

**535 051 749**  $500\,000\,000 + 30\,000\,000 + 5\,000\,000 + 50\,000 + 1000 + 700 + 40 + 9$   
 $(5 \times 100\,000\,000) + (3 \times 10\,000\,000) + (5 \times 1\,000\,000) + (5 \times 10\,000) + (1 \times 1000) + (7 \times 100) + (4 \times 10) + (9 \times 1)$   
 $(5 \times 10^8) + (3 \times 10^7) + (5 \times 10^6) + (5 \times 10^4) + (1 \times 10^3) + (7 \times 10^2) + (4 \times 10^1) + (9 \times 10^0)$

**931 922 127**  $900\,000\,000 + 30\,000\,000 + 1\,000\,000 + 900\,000 + 20\,000 + 2000 + 100 + 20 + 7$   
 $(9 \times 100\,000\,000) + (3 \times 10\,000\,000) + (1 \times 1\,000\,000) + (9 \times 100\,000) + (2 \times 10\,000) + (2 \times 1000) + (1 \times 100) + (2 \times 10) + (7 \times 1)$   
 $(9 \times 10^8) + (3 \times 10^7) + (1 \times 10^6) + (9 \times 10^5) + (2 \times 10^4) + (2 \times 10^3) + (1 \times 10^2) + (2 \times 10^1) + (7 \times 10^0)$

**105 440 061**  $100\,000\,000 + 5\,000\,000 + 400\,000 + 40\,000 + 60 + 1$   
 $(1 \times 100\,000\,000) + (5 \times 10\,000\,000) + (4 \times 100\,000) + (4 \times 10\,000) + (6 \times 10) + (1 \times 1)$   
 $(1 \times 10^8) + (5 \times 10^6) + (4 \times 10^5) + (4 \times 10^4) + (6 \times 10^1) + (1 \times 10^0)$

**993 027 272**  $900\,000\,000 + 90\,000\,000 + 3\,000\,000 + 20\,000 + 7000 + 200 + 70 + 2$   
 $(9 \times 100\,000\,000) + (9 \times 10\,000\,000) + (3 \times 1\,000\,000) + (2 \times 10\,000) + (7 \times 1000) + (2 \times 100) + (7 \times 10) + (2 \times 1)$   
 $(9 \times 10^8) + (9 \times 10^7) + (3 \times 10^6) + (2 \times 10^4) + (7 \times 10^3) + (2 \times 10^2) + (7 \times 10^1) + (2 \times 10^0)$

**194 553 468**  $100\,000\,000 + 90\,000\,000 + 4\,000\,000 + 500\,000 + 50\,000 + 3000 + 400 + 60 + 8$   
 $(1 \times 100\,000\,000) + (9 \times 10\,000\,000) + (4 \times 1\,000\,000) + (5 \times 100\,000) + (5 \times 10\,000) + (3 \times 1000) + (4 \times 100) + (6 \times 10) + (8 \times 1)$   
 $(1 \times 10^8) + (9 \times 10^7) + (4 \times 10^6) + (5 \times 10^5) + (5 \times 10^4) + (3 \times 10^3) + (4 \times 10^2) + (6 \times 10^1) + (8 \times 10^0)$

**482 065 870**  $400\,000\,000 + 80\,000\,000 + 2\,000\,000 + 60\,000 + 5000 + 800 + 70$   
 $(4 \times 100\,000\,000) + (8 \times 10\,000\,000) + (2 \times 1\,000\,000) + (6 \times 10\,000) + (5 \times 1000) + (8 \times 100) + (7 \times 10)$   
 $(4 \times 10^8) + (8 \times 10^7) + (2 \times 10^6) + (6 \times 10^4) + (5 \times 10^3) + (8 \times 10^2) + (7 \times 10^1)$



## Expanded Form (SI) (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

836 694 033

578 320 394

335 978 064

668 661 850

397 878 138

474 383 800

660 918 219

507 314 981

433 568 033

796 005 384

# Expanded Form (SI) (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

**836 694 033**  $800\,000\,000 + 30\,000\,000 + 6\,000\,000 + 600\,000 + 90\,000 + 4000 + 30 + 3$   
 $(8 \times 100\,000\,000) + (3 \times 10\,000\,000) + (6 \times 1\,000\,000) + (6 \times 100\,000) + (9 \times 10\,000) + (4 \times 1000) + (3 \times 10) + (3 \times 1)$   
 $(8 \times 10^8) + (3 \times 10^7) + (6 \times 10^6) + (6 \times 10^5) + (9 \times 10^4) + (4 \times 10^3) + (3 \times 10^1) + (3 \times 10^0)$

**578 320 394**  $500\,000\,000 + 70\,000\,000 + 8\,000\,000 + 300\,000 + 20\,000 + 300 + 90 + 4$   
 $(5 \times 100\,000\,000) + (7 \times 10\,000\,000) + (8 \times 1\,000\,000) + (3 \times 100\,000) + (2 \times 10\,000) + (3 \times 100) + (9 \times 10) + (4 \times 1)$   
 $(5 \times 10^8) + (7 \times 10^7) + (8 \times 10^6) + (3 \times 10^5) + (2 \times 10^4) + (3 \times 10^2) + (9 \times 10^1) + (4 \times 10^0)$

**335 978 064**  $300\,000\,000 + 30\,000\,000 + 5\,000\,000 + 900\,000 + 70\,000 + 8000 + 60 + 4$   
 $(3 \times 100\,000\,000) + (3 \times 10\,000\,000) + (5 \times 1\,000\,000) + (9 \times 100\,000) + (7 \times 10\,000) + (8 \times 1000) + (6 \times 10) + (4 \times 1)$   
 $(3 \times 10^8) + (3 \times 10^7) + (5 \times 10^6) + (9 \times 10^5) + (7 \times 10^4) + (8 \times 10^3) + (6 \times 10^1) + (4 \times 10^0)$

**668 661 850**  $600\,000\,000 + 60\,000\,000 + 8\,000\,000 + 600\,000 + 60\,000 + 1000 + 800 + 50$   
 $(6 \times 100\,000\,000) + (6 \times 10\,000\,000) + (8 \times 1\,000\,000) + (6 \times 100\,000) + (6 \times 10\,000) + (1 \times 1000) + (8 \times 100) + (5 \times 10)$   
 $(6 \times 10^8) + (6 \times 10^7) + (8 \times 10^6) + (6 \times 10^5) + (6 \times 10^4) + (1 \times 10^3) + (8 \times 10^2) + (5 \times 10^1)$

**397 878 138**  $300\,000\,000 + 90\,000\,000 + 7\,000\,000 + 800\,000 + 70\,000 + 8000 + 100 + 30 + 8$   
 $(3 \times 100\,000\,000) + (9 \times 10\,000\,000) + (7 \times 1\,000\,000) + (8 \times 100\,000) + (7 \times 10\,000) + (8 \times 1000) + (1 \times 100) + (3 \times 10) + (8 \times 1)$   
 $(3 \times 10^8) + (9 \times 10^7) + (7 \times 10^6) + (8 \times 10^5) + (7 \times 10^4) + (8 \times 10^3) + (1 \times 10^2) + (3 \times 10^1) + (8 \times 10^0)$

**474 383 800**  $400\,000\,000 + 70\,000\,000 + 4\,000\,000 + 300\,000 + 80\,000 + 3000 + 800$   
 $(4 \times 100\,000\,000) + (7 \times 10\,000\,000) + (4 \times 1\,000\,000) + (3 \times 100\,000) + (8 \times 10\,000) + (3 \times 1000) + (8 \times 100)$   
 $(4 \times 10^8) + (7 \times 10^7) + (4 \times 10^6) + (3 \times 10^5) + (8 \times 10^4) + (3 \times 10^3) + (8 \times 10^2)$

**660 918 219**  $600\,000\,000 + 60\,000\,000 + 900\,000 + 10\,000 + 8000 + 200 + 10 + 9$   
 $(6 \times 100\,000\,000) + (6 \times 10\,000\,000) + (9 \times 100\,000) + (1 \times 10\,000) + (8 \times 1000) + (2 \times 100) + (1 \times 10) + (9 \times 1)$   
 $(6 \times 10^8) + (6 \times 10^7) + (9 \times 10^5) + (1 \times 10^4) + (8 \times 10^3) + (2 \times 10^2) + (1 \times 10^1) + (9 \times 10^0)$

**507 314 981**  $500\,000\,000 + 7\,000\,000 + 300\,000 + 10\,000 + 4000 + 900 + 80 + 1$   
 $(5 \times 100\,000\,000) + (7 \times 1\,000\,000) + (3 \times 100\,000) + (1 \times 10\,000) + (4 \times 1000) + (9 \times 100) + (8 \times 10) + (1 \times 1)$   
 $(5 \times 10^8) + (7 \times 10^6) + (3 \times 10^5) + (1 \times 10^4) + (4 \times 10^3) + (9 \times 10^2) + (8 \times 10^1) + (1 \times 10^0)$

**433 568 033**  $400\,000\,000 + 30\,000\,000 + 3\,000\,000 + 500\,000 + 60\,000 + 8000 + 30 + 3$   
 $(4 \times 100\,000\,000) + (3 \times 10\,000\,000) + (3 \times 1\,000\,000) + (5 \times 100\,000) + (6 \times 10\,000) + (8 \times 1000) + (3 \times 10) + (3 \times 1)$   
 $(4 \times 10^8) + (3 \times 10^7) + (3 \times 10^6) + (5 \times 10^5) + (6 \times 10^4) + (8 \times 10^3) + (3 \times 10^1) + (3 \times 10^0)$

**796 005 384**  $700\,000\,000 + 90\,000\,000 + 6\,000\,000 + 5000 + 300 + 80 + 4$   
 $(7 \times 100\,000\,000) + (9 \times 10\,000\,000) + (6 \times 1\,000\,000) + (5 \times 1000) + (3 \times 100) + (8 \times 10) + (4 \times 1)$   
 $(7 \times 10^8) + (9 \times 10^7) + (6 \times 10^6) + (5 \times 10^3) + (3 \times 10^2) + (8 \times 10^1) + (4 \times 10^0)$

## Expanded Form (SI) (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

469 533 268

774 697 713

186 849 410

770 398 851

811 277 007

964 500 717

541 779 484

530 871 963

251 896 725

280 120 080

# Expanded Form (SI) (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

469 533 268  $400\,000\,000 + 60\,000\,000 + 9\,000\,000 + 500\,000 + 30\,000 + 3000 + 200 + 60 + 8$   
 $(4 \times 100\,000\,000) + (6 \times 10\,000\,000) + (9 \times 1\,000\,000) + (5 \times 100\,000) + (3 \times 10\,000) + (3 \times 1000) + (2 \times 100) + (6 \times 10) + (8 \times 1)$   
 $(4 \times 10^8) + (6 \times 10^7) + (9 \times 10^6) + (5 \times 10^5) + (3 \times 10^4) + (3 \times 10^3) + (2 \times 10^2) + (6 \times 10^1) + (8 \times 10^0)$

774 697 713  $700\,000\,000 + 70\,000\,000 + 4\,000\,000 + 600\,000 + 90\,000 + 7000 + 700 + 10 + 3$   
 $(7 \times 100\,000\,000) + (7 \times 10\,000\,000) + (4 \times 1\,000\,000) + (6 \times 100\,000) + (9 \times 10\,000) + (7 \times 1000) + (7 \times 100) + (1 \times 10) + (3 \times 1)$   
 $(7 \times 10^8) + (7 \times 10^7) + (4 \times 10^6) + (6 \times 10^5) + (9 \times 10^4) + (7 \times 10^3) + (7 \times 10^2) + (1 \times 10^1) + (3 \times 10^0)$

186 849 410  $100\,000\,000 + 80\,000\,000 + 6\,000\,000 + 800\,000 + 40\,000 + 9000 + 400 + 10$   
 $(1 \times 100\,000\,000) + (8 \times 10\,000\,000) + (6 \times 1\,000\,000) + (8 \times 100\,000) + (4 \times 10\,000) + (9 \times 1000) + (4 \times 100) + (1 \times 10)$   
 $(1 \times 10^8) + (8 \times 10^7) + (6 \times 10^6) + (8 \times 10^5) + (4 \times 10^4) + (9 \times 10^3) + (4 \times 10^2) + (1 \times 10^1)$

770 398 851  $700\,000\,000 + 70\,000\,000 + 300\,000 + 90\,000 + 8000 + 800 + 50 + 1$   
 $(7 \times 100\,000\,000) + (7 \times 10\,000\,000) + (3 \times 100\,000) + (9 \times 10\,000) + (8 \times 1000) + (8 \times 100) + (5 \times 10) + (1 \times 1)$   
 $(7 \times 10^8) + (7 \times 10^7) + (3 \times 10^5) + (9 \times 10^4) + (8 \times 10^3) + (8 \times 10^2) + (5 \times 10^1) + (1 \times 10^0)$

811 277 007  $800\,000\,000 + 10\,000\,000 + 1\,000\,000 + 200\,000 + 70\,000 + 7000 + 7$   
 $(8 \times 100\,000\,000) + (1 \times 10\,000\,000) + (1 \times 1\,000\,000) + (2 \times 100\,000) + (7 \times 10\,000) + (7 \times 1000) + (7 \times 1)$   
 $(8 \times 10^8) + (1 \times 10^7) + (1 \times 10^6) + (2 \times 10^5) + (7 \times 10^4) + (7 \times 10^3) + (7 \times 10^0)$

964 500 717  $900\,000\,000 + 60\,000\,000 + 4\,000\,000 + 500\,000 + 700 + 10 + 7$   
 $(9 \times 100\,000\,000) + (6 \times 10\,000\,000) + (4 \times 1\,000\,000) + (5 \times 100\,000) + (7 \times 100) + (1 \times 10) + (7 \times 1)$   
 $(9 \times 10^8) + (6 \times 10^7) + (4 \times 10^6) + (5 \times 10^5) + (7 \times 10^2) + (1 \times 10^1) + (7 \times 10^0)$

541 779 484  $500\,000\,000 + 40\,000\,000 + 1\,000\,000 + 700\,000 + 70\,000 + 9000 + 400 + 80 + 4$   
 $(5 \times 100\,000\,000) + (4 \times 10\,000\,000) + (1 \times 1\,000\,000) + (7 \times 100\,000) + (7 \times 10\,000) + (9 \times 1000) + (4 \times 100) + (8 \times 10) + (4 \times 1)$   
 $(5 \times 10^8) + (4 \times 10^7) + (1 \times 10^6) + (7 \times 10^5) + (7 \times 10^4) + (9 \times 10^3) + (4 \times 10^2) + (8 \times 10^1) + (4 \times 10^0)$

530 871 963  $500\,000\,000 + 30\,000\,000 + 800\,000 + 70\,000 + 1000 + 900 + 60 + 3$   
 $(5 \times 100\,000\,000) + (3 \times 10\,000\,000) + (8 \times 100\,000) + (7 \times 10\,000) + (1 \times 1000) + (9 \times 100) + (6 \times 10) + (3 \times 1)$   
 $(5 \times 10^8) + (3 \times 10^7) + (8 \times 10^5) + (7 \times 10^4) + (1 \times 10^3) + (9 \times 10^2) + (6 \times 10^1) + (3 \times 10^0)$

251 896 725  $200\,000\,000 + 50\,000\,000 + 1\,000\,000 + 800\,000 + 90\,000 + 6000 + 700 + 20 + 5$   
 $(2 \times 100\,000\,000) + (5 \times 10\,000\,000) + (1 \times 1\,000\,000) + (8 \times 100\,000) + (9 \times 10\,000) + (6 \times 1000) + (7 \times 100) + (2 \times 10) + (5 \times 1)$   
 $(2 \times 10^8) + (5 \times 10^7) + (1 \times 10^6) + (8 \times 10^5) + (9 \times 10^4) + (6 \times 10^3) + (7 \times 10^2) + (2 \times 10^1) + (5 \times 10^0)$

280 120 080  $200\,000\,000 + 80\,000\,000 + 100\,000 + 20\,000 + 80$   
 $(2 \times 100\,000\,000) + (8 \times 10\,000\,000) + (1 \times 100\,000) + (2 \times 10\,000) + (8 \times 10)$   
 $(2 \times 10^8) + (8 \times 10^7) + (1 \times 10^5) + (2 \times 10^4) + (8 \times 10^1)$

## Expanded Form (SI) (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

465 797 389

234 446 285

151 215 798

347 301 474

858 811 484

234 784 971

300 812 638

690 574 697

121 779 584

346 471 458

# Expanded Form (SI) (G) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

465 797 389  $400\,000\,000 + 60\,000\,000 + 5\,000\,000 + 700\,000 + 90\,000 + 7000 + 300 + 80 + 9$   
 $(4 \times 100\,000\,000) + (6 \times 10\,000\,000) + (5 \times 1\,000\,000) + (7 \times 100\,000) + (9 \times 10\,000) + (7 \times 1000) + (3 \times 100) + (8 \times 10) + (9 \times 1)$   
 $(4 \times 10^8) + (6 \times 10^7) + (5 \times 10^6) + (7 \times 10^5) + (9 \times 10^4) + (7 \times 10^3) + (3 \times 10^2) + (8 \times 10^1) + (9 \times 10^0)$

234 446 285  $200\,000\,000 + 30\,000\,000 + 4\,000\,000 + 400\,000 + 40\,000 + 6000 + 200 + 80 + 5$   
 $(2 \times 100\,000\,000) + (3 \times 10\,000\,000) + (4 \times 1\,000\,000) + (4 \times 100\,000) + (4 \times 10\,000) + (6 \times 1000) + (2 \times 100) + (8 \times 10) + (5 \times 1)$   
 $(2 \times 10^8) + (3 \times 10^7) + (4 \times 10^6) + (4 \times 10^5) + (4 \times 10^4) + (6 \times 10^3) + (2 \times 10^2) + (8 \times 10^1) + (5 \times 10^0)$

151 215 798  $100\,000\,000 + 50\,000\,000 + 1\,000\,000 + 200\,000 + 10\,000 + 5000 + 700 + 90 + 8$   
 $(1 \times 100\,000\,000) + (5 \times 10\,000\,000) + (1 \times 1\,000\,000) + (2 \times 100\,000) + (1 \times 10\,000) + (5 \times 1000) + (7 \times 100) + (9 \times 10) + (8 \times 1)$   
 $(1 \times 10^8) + (5 \times 10^7) + (1 \times 10^6) + (2 \times 10^5) + (1 \times 10^4) + (5 \times 10^3) + (7 \times 10^2) + (9 \times 10^1) + (8 \times 10^0)$

347 301 474  $300\,000\,000 + 40\,000\,000 + 7\,000\,000 + 300\,000 + 1000 + 400 + 70 + 4$   
 $(3 \times 100\,000\,000) + (4 \times 10\,000\,000) + (7 \times 1\,000\,000) + (3 \times 100\,000) + (1 \times 1000) + (4 \times 100) + (7 \times 10) + (4 \times 1)$   
 $(3 \times 10^8) + (4 \times 10^7) + (7 \times 10^6) + (3 \times 10^5) + (1 \times 10^3) + (4 \times 10^2) + (7 \times 10^1) + (4 \times 10^0)$

858 811 484  $800\,000\,000 + 50\,000\,000 + 8\,000\,000 + 800\,000 + 10\,000 + 1000 + 400 + 80 + 4$   
 $(8 \times 100\,000\,000) + (5 \times 10\,000\,000) + (8 \times 1\,000\,000) + (8 \times 100\,000) + (1 \times 10\,000) + (1 \times 1000) + (4 \times 100) + (8 \times 10) + (4 \times 1)$   
 $(8 \times 10^8) + (5 \times 10^7) + (8 \times 10^6) + (8 \times 10^5) + (1 \times 10^4) + (1 \times 10^3) + (4 \times 10^2) + (8 \times 10^1) + (4 \times 10^0)$

234 784 971  $200\,000\,000 + 30\,000\,000 + 4\,000\,000 + 700\,000 + 80\,000 + 4000 + 900 + 70 + 1$   
 $(2 \times 100\,000\,000) + (3 \times 10\,000\,000) + (4 \times 1\,000\,000) + (7 \times 100\,000) + (8 \times 10\,000) + (4 \times 1000) + (9 \times 100) + (7 \times 10) + (1 \times 1)$   
 $(2 \times 10^8) + (3 \times 10^7) + (4 \times 10^6) + (7 \times 10^5) + (8 \times 10^4) + (4 \times 10^3) + (9 \times 10^2) + (7 \times 10^1) + (1 \times 10^0)$

300 812 638  $300\,000\,000 + 800\,000 + 10\,000 + 2000 + 600 + 30 + 8$   
 $(3 \times 100\,000\,000) + (8 \times 100\,000) + (1 \times 10\,000) + (2 \times 1000) + (6 \times 100) + (3 \times 10) + (8 \times 1)$   
 $(3 \times 10^8) + (8 \times 10^5) + (1 \times 10^4) + (2 \times 10^3) + (6 \times 10^2) + (3 \times 10^1) + (8 \times 10^0)$

690 574 697  $600\,000\,000 + 90\,000\,000 + 500\,000 + 70\,000 + 4000 + 600 + 90 + 7$   
 $(6 \times 100\,000\,000) + (9 \times 10\,000\,000) + (5 \times 100\,000) + (7 \times 10\,000) + (4 \times 1000) + (6 \times 100) + (9 \times 10) + (7 \times 1)$   
 $(6 \times 10^8) + (9 \times 10^7) + (5 \times 10^5) + (7 \times 10^4) + (4 \times 10^3) + (6 \times 10^2) + (9 \times 10^1) + (7 \times 10^0)$

121 779 584  $100\,000\,000 + 20\,000\,000 + 1\,000\,000 + 700\,000 + 70\,000 + 9000 + 500 + 80 + 4$   
 $(1 \times 100\,000\,000) + (2 \times 10\,000\,000) + (1 \times 1\,000\,000) + (7 \times 100\,000) + (7 \times 10\,000) + (9 \times 1000) + (5 \times 100) + (8 \times 10) + (4 \times 1)$   
 $(1 \times 10^8) + (2 \times 10^7) + (1 \times 10^6) + (7 \times 10^5) + (7 \times 10^4) + (9 \times 10^3) + (5 \times 10^2) + (8 \times 10^1) + (4 \times 10^0)$

346 471 458  $300\,000\,000 + 40\,000\,000 + 6\,000\,000 + 400\,000 + 70\,000 + 1000 + 400 + 50 + 8$   
 $(3 \times 100\,000\,000) + (4 \times 10\,000\,000) + (6 \times 1\,000\,000) + (4 \times 100\,000) + (7 \times 10\,000) + (1 \times 1000) + (4 \times 100) + (5 \times 10) + (8 \times 1)$   
 $(3 \times 10^8) + (4 \times 10^7) + (6 \times 10^6) + (4 \times 10^5) + (7 \times 10^4) + (1 \times 10^3) + (4 \times 10^2) + (5 \times 10^1) + (8 \times 10^0)$

## Expanded Form (SI) (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

960 834 586

707 545 057

244 747 924

875 608 366

405 616 829

628 994 599

482 220 504

390 093 180

101 173 734

567 365 459

# Expanded Form (SI) (H) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

960 834 586  $900\,000\,000 + 60\,000\,000 + 800\,000 + 30\,000 + 4000 + 500 + 80 + 6$   
 $(9 \times 100\,000\,000) + (6 \times 10\,000\,000) + (8 \times 100\,000) + (3 \times 10\,000) + (4 \times 1000) + (5 \times 100) + (8 \times 10) + (6 \times 1)$   
 $(9 \times 10^8) + (6 \times 10^7) + (8 \times 10^5) + (3 \times 10^4) + (4 \times 10^3) + (5 \times 10^2) + (8 \times 10^1) + (6 \times 10^0)$

707 545 057  $700\,000\,000 + 7\,000\,000 + 500\,000 + 40\,000 + 5000 + 50 + 7$   
 $(7 \times 100\,000\,000) + (7 \times 1\,000\,000) + (5 \times 100\,000) + (4 \times 10\,000) + (5 \times 1000) + (5 \times 10) + (7 \times 1)$   
 $(7 \times 10^8) + (7 \times 10^6) + (5 \times 10^5) + (4 \times 10^4) + (5 \times 10^3) + (5 \times 10^1) + (7 \times 10^0)$

244 747 924  $200\,000\,000 + 40\,000\,000 + 4\,000\,000 + 700\,000 + 40\,000 + 7000 + 900 + 20 + 4$   
 $(2 \times 100\,000\,000) + (4 \times 10\,000\,000) + (4 \times 1\,000\,000) + (7 \times 100\,000) + (4 \times 10\,000) + (7 \times 1000) + (9 \times 100) + (2 \times 10) + (4 \times 1)$   
 $(2 \times 10^8) + (4 \times 10^7) + (4 \times 10^6) + (7 \times 10^5) + (4 \times 10^4) + (7 \times 10^3) + (9 \times 10^2) + (2 \times 10^1) + (4 \times 10^0)$

875 608 366  $800\,000\,000 + 70\,000\,000 + 5\,000\,000 + 600\,000 + 8000 + 300 + 60 + 6$   
 $(8 \times 100\,000\,000) + (7 \times 10\,000\,000) + (5 \times 1\,000\,000) + (6 \times 100\,000) + (8 \times 1000) + (3 \times 100) + (6 \times 10) + (6 \times 1)$   
 $(8 \times 10^8) + (7 \times 10^7) + (5 \times 10^6) + (6 \times 10^5) + (8 \times 10^3) + (3 \times 10^2) + (6 \times 10^1) + (6 \times 10^0)$

405 616 829  $400\,000\,000 + 5\,000\,000 + 600\,000 + 10\,000 + 6000 + 800 + 20 + 9$   
 $(4 \times 100\,000\,000) + (5 \times 1\,000\,000) + (6 \times 100\,000) + (1 \times 10\,000) + (6 \times 1000) + (8 \times 100) + (2 \times 10) + (9 \times 1)$   
 $(4 \times 10^8) + (5 \times 10^6) + (6 \times 10^5) + (1 \times 10^4) + (6 \times 10^3) + (8 \times 10^2) + (2 \times 10^1) + (9 \times 10^0)$

628 994 599  $600\,000\,000 + 20\,000\,000 + 8\,000\,000 + 900\,000 + 90\,000 + 4000 + 500 + 90 + 9$   
 $(6 \times 100\,000\,000) + (2 \times 10\,000\,000) + (8 \times 1\,000\,000) + (9 \times 100\,000) + (9 \times 10\,000) + (4 \times 1000) + (5 \times 100) + (9 \times 10) + (9 \times 1)$   
 $(6 \times 10^8) + (2 \times 10^7) + (8 \times 10^6) + (9 \times 10^5) + (9 \times 10^4) + (4 \times 10^3) + (5 \times 10^2) + (9 \times 10^1) + (9 \times 10^0)$

482 220 504  $400\,000\,000 + 80\,000\,000 + 2\,000\,000 + 200\,000 + 20\,000 + 500 + 4$   
 $(4 \times 100\,000\,000) + (8 \times 10\,000\,000) + (2 \times 1\,000\,000) + (2 \times 100\,000) + (2 \times 10\,000) + (5 \times 100) + (4 \times 1)$   
 $(4 \times 10^8) + (8 \times 10^7) + (2 \times 10^6) + (2 \times 10^5) + (2 \times 10^4) + (5 \times 10^2) + (4 \times 10^0)$

390 093 180  $300\,000\,000 + 90\,000\,000 + 90\,000 + 3000 + 100 + 80$   
 $(3 \times 100\,000\,000) + (9 \times 10\,000\,000) + (9 \times 10\,000) + (3 \times 1000) + (1 \times 100) + (8 \times 10)$   
 $(3 \times 10^8) + (9 \times 10^7) + (9 \times 10^4) + (3 \times 10^3) + (1 \times 10^2) + (8 \times 10^1)$

101 173 734  $100\,000\,000 + 1\,000\,000 + 100\,000 + 70\,000 + 3000 + 700 + 30 + 4$   
 $(1 \times 100\,000\,000) + (1 \times 1\,000\,000) + (1 \times 100\,000) + (7 \times 10\,000) + (3 \times 1000) + (7 \times 100) + (3 \times 10) + (4 \times 1)$   
 $(1 \times 10^8) + (1 \times 10^6) + (1 \times 10^5) + (7 \times 10^4) + (3 \times 10^3) + (7 \times 10^2) + (3 \times 10^1) + (4 \times 10^0)$

567 365 459  $500\,000\,000 + 60\,000\,000 + 7\,000\,000 + 300\,000 + 60\,000 + 5000 + 400 + 50 + 9$   
 $(5 \times 100\,000\,000) + (6 \times 10\,000\,000) + (7 \times 1\,000\,000) + (3 \times 100\,000) + (6 \times 10\,000) + (5 \times 1000) + (4 \times 100) + (5 \times 10) + (9 \times 1)$   
 $(5 \times 10^8) + (6 \times 10^7) + (7 \times 10^6) + (3 \times 10^5) + (6 \times 10^4) + (5 \times 10^3) + (4 \times 10^2) + (5 \times 10^1) + (9 \times 10^0)$



# Expanded Form (SI) (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

395 571 261

807 156 841

248 382 212

126 590 943

683 125 792

961 308 212

476 100 539

709 014 545

604 210 959

277 628 197

# Expanded Form (SI) (I) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

**395 571 261**  $300\,000\,000 + 90\,000\,000 + 5\,000\,000 + 500\,000 + 70\,000 + 1000 + 200 + 60 + 1$   
 $(3 \times 100\,000\,000) + (9 \times 10\,000\,000) + (5 \times 1\,000\,000) + (5 \times 100\,000) + (7 \times 10\,000) + (1 \times 1000) + (2 \times 100) + (6 \times 10) + (1 \times 1)$   
 $(3 \times 10^8) + (9 \times 10^7) + (5 \times 10^6) + (5 \times 10^5) + (7 \times 10^4) + (1 \times 10^3) + (2 \times 10^2) + (6 \times 10^1) + (1 \times 10^0)$

**807 156 841**  $800\,000\,000 + 7\,000\,000 + 100\,000 + 50\,000 + 6000 + 800 + 40 + 1$   
 $(8 \times 100\,000\,000) + (7 \times 10\,000\,000) + (1 \times 100\,000) + (5 \times 10\,000) + (6 \times 1000) + (8 \times 100) + (4 \times 10) + (1 \times 1)$   
 $(8 \times 10^8) + (7 \times 10^6) + (1 \times 10^5) + (5 \times 10^4) + (6 \times 10^3) + (8 \times 10^2) + (4 \times 10^1) + (1 \times 10^0)$

**248 382 212**  $200\,000\,000 + 40\,000\,000 + 8\,000\,000 + 300\,000 + 80\,000 + 2000 + 200 + 10 + 2$   
 $(2 \times 100\,000\,000) + (4 \times 10\,000\,000) + (8 \times 1\,000\,000) + (3 \times 100\,000) + (8 \times 10\,000) + (2 \times 1000) + (2 \times 100) + (1 \times 10) + (2 \times 1)$   
 $(2 \times 10^8) + (4 \times 10^7) + (8 \times 10^6) + (3 \times 10^5) + (8 \times 10^4) + (2 \times 10^3) + (2 \times 10^2) + (1 \times 10^1) + (2 \times 10^0)$

**126 590 943**  $100\,000\,000 + 20\,000\,000 + 6\,000\,000 + 500\,000 + 90\,000 + 900 + 40 + 3$   
 $(1 \times 100\,000\,000) + (2 \times 10\,000\,000) + (6 \times 1\,000\,000) + (5 \times 100\,000) + (9 \times 10\,000) + (9 \times 100) + (4 \times 10) + (3 \times 1)$   
 $(1 \times 10^8) + (2 \times 10^7) + (6 \times 10^6) + (5 \times 10^5) + (9 \times 10^4) + (9 \times 10^2) + (4 \times 10^1) + (3 \times 10^0)$

**683 125 792**  $600\,000\,000 + 80\,000\,000 + 3\,000\,000 + 100\,000 + 20\,000 + 5000 + 700 + 90 + 2$   
 $(6 \times 100\,000\,000) + (8 \times 10\,000\,000) + (3 \times 1\,000\,000) + (1 \times 100\,000) + (2 \times 10\,000) + (5 \times 1000) + (7 \times 100) + (9 \times 10) + (2 \times 1)$   
 $(6 \times 10^8) + (8 \times 10^7) + (3 \times 10^6) + (1 \times 10^5) + (2 \times 10^4) + (5 \times 10^3) + (7 \times 10^2) + (9 \times 10^1) + (2 \times 10^0)$

**961 308 212**  $900\,000\,000 + 60\,000\,000 + 1\,000\,000 + 300\,000 + 8000 + 200 + 10 + 2$   
 $(9 \times 100\,000\,000) + (6 \times 10\,000\,000) + (1 \times 1\,000\,000) + (3 \times 100\,000) + (8 \times 1000) + (2 \times 100) + (1 \times 10) + (2 \times 1)$   
 $(9 \times 10^8) + (6 \times 10^7) + (1 \times 10^6) + (3 \times 10^5) + (8 \times 10^3) + (2 \times 10^2) + (1 \times 10^1) + (2 \times 10^0)$

**476 100 539**  $400\,000\,000 + 70\,000\,000 + 6\,000\,000 + 100\,000 + 500 + 30 + 9$   
 $(4 \times 100\,000\,000) + (7 \times 10\,000\,000) + (6 \times 1\,000\,000) + (1 \times 100\,000) + (5 \times 100) + (3 \times 10) + (9 \times 1)$   
 $(4 \times 10^8) + (7 \times 10^7) + (6 \times 10^6) + (1 \times 10^5) + (5 \times 10^2) + (3 \times 10^1) + (9 \times 10^0)$

**709 014 545**  $700\,000\,000 + 9\,000\,000 + 10\,000 + 4000 + 500 + 40 + 5$   
 $(7 \times 100\,000\,000) + (9 \times 10\,000\,000) + (1 \times 10\,000) + (4 \times 1000) + (5 \times 100) + (4 \times 10) + (5 \times 1)$   
 $(7 \times 10^8) + (9 \times 10^6) + (1 \times 10^4) + (4 \times 10^3) + (5 \times 10^2) + (4 \times 10^1) + (5 \times 10^0)$

**604 210 959**  $600\,000\,000 + 4\,000\,000 + 200\,000 + 10\,000 + 900 + 50 + 9$   
 $(6 \times 100\,000\,000) + (4 \times 10\,000\,000) + (2 \times 100\,000) + (1 \times 10\,000) + (9 \times 100) + (5 \times 10) + (9 \times 1)$   
 $(6 \times 10^8) + (4 \times 10^6) + (2 \times 10^5) + (1 \times 10^4) + (9 \times 10^2) + (5 \times 10^1) + (9 \times 10^0)$

**277 628 197**  $200\,000\,000 + 70\,000\,000 + 7\,000\,000 + 600\,000 + 20\,000 + 8000 + 100 + 90 + 7$   
 $(2 \times 100\,000\,000) + (7 \times 10\,000\,000) + (7 \times 1\,000\,000) + (6 \times 100\,000) + (2 \times 10\,000) + (8 \times 1000) + (1 \times 100) + (9 \times 10) + (7 \times 1)$   
 $(2 \times 10^8) + (7 \times 10^7) + (7 \times 10^6) + (6 \times 10^5) + (2 \times 10^4) + (8 \times 10^3) + (1 \times 10^2) + (9 \times 10^1) + (7 \times 10^0)$

# Expanded Form (SI) (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

645 186 275

343 830 933

540 079 517

511 269 140

430 310 665

211 149 626

374 325 235

871 360 490

278 215 279

668 877 073

# Expanded Form (SI) (J) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

645 186 275  $600\,000\,000 + 40\,000\,000 + 5\,000\,000 + 100\,000 + 80\,000 + 6000 + 200 + 70 + 5$   
 $(6 \times 100\,000\,000) + (4 \times 10\,000\,000) + (5 \times 1\,000\,000) + (1 \times 100\,000) + (8 \times 10\,000) + (6 \times 1000) + (2 \times 100) + (7 \times 10) + (5 \times 1)$   
 $(6 \times 10^8) + (4 \times 10^7) + (5 \times 10^6) + (1 \times 10^5) + (8 \times 10^4) + (6 \times 10^3) + (2 \times 10^2) + (7 \times 10^1) + (5 \times 10^0)$

343 830 933  $300\,000\,000 + 40\,000\,000 + 3\,000\,000 + 800\,000 + 30\,000 + 900 + 30 + 3$   
 $(3 \times 100\,000\,000) + (4 \times 10\,000\,000) + (3 \times 1\,000\,000) + (8 \times 100\,000) + (3 \times 10\,000) + (9 \times 100) + (3 \times 10) + (3 \times 1)$   
 $(3 \times 10^8) + (4 \times 10^7) + (3 \times 10^6) + (8 \times 10^5) + (3 \times 10^4) + (9 \times 10^2) + (3 \times 10^1) + (3 \times 10^0)$

540 079 517  $500\,000\,000 + 40\,000\,000 + 70\,000 + 9000 + 500 + 10 + 7$   
 $(5 \times 100\,000\,000) + (4 \times 10\,000\,000) + (7 \times 10\,000) + (9 \times 1000) + (5 \times 100) + (1 \times 10) + (7 \times 1)$   
 $(5 \times 10^8) + (4 \times 10^7) + (7 \times 10^4) + (9 \times 10^3) + (5 \times 10^2) + (1 \times 10^1) + (7 \times 10^0)$

511 269 140  $500\,000\,000 + 10\,000\,000 + 1\,000\,000 + 200\,000 + 60\,000 + 9000 + 100 + 40$   
 $(5 \times 100\,000\,000) + (1 \times 10\,000\,000) + (1 \times 1\,000\,000) + (2 \times 100\,000) + (6 \times 10\,000) + (9 \times 1000) + (1 \times 100) + (4 \times 10)$   
 $(5 \times 10^8) + (1 \times 10^7) + (1 \times 10^6) + (2 \times 10^5) + (6 \times 10^4) + (9 \times 10^3) + (1 \times 10^2) + (4 \times 10^1)$

430 310 665  $400\,000\,000 + 30\,000\,000 + 300\,000 + 10\,000 + 600 + 60 + 5$   
 $(4 \times 100\,000\,000) + (3 \times 10\,000\,000) + (3 \times 100\,000) + (1 \times 10\,000) + (6 \times 100) + (6 \times 10) + (5 \times 1)$   
 $(4 \times 10^8) + (3 \times 10^7) + (3 \times 10^5) + (1 \times 10^4) + (6 \times 10^2) + (6 \times 10^1) + (5 \times 10^0)$

211 149 626  $200\,000\,000 + 10\,000\,000 + 1\,000\,000 + 100\,000 + 40\,000 + 9000 + 600 + 20 + 6$   
 $(2 \times 100\,000\,000) + (1 \times 10\,000\,000) + (1 \times 1\,000\,000) + (1 \times 100\,000) + (4 \times 10\,000) + (9 \times 1000) + (6 \times 100) + (2 \times 10) + (6 \times 1)$   
 $(2 \times 10^8) + (1 \times 10^7) + (1 \times 10^6) + (1 \times 10^5) + (4 \times 10^4) + (9 \times 10^3) + (6 \times 10^2) + (2 \times 10^1) + (6 \times 10^0)$

374 325 235  $300\,000\,000 + 70\,000\,000 + 4\,000\,000 + 300\,000 + 20\,000 + 5000 + 200 + 30 + 5$   
 $(3 \times 100\,000\,000) + (7 \times 10\,000\,000) + (4 \times 1\,000\,000) + (3 \times 100\,000) + (2 \times 10\,000) + (5 \times 1000) + (2 \times 100) + (3 \times 10) + (5 \times 1)$   
 $(3 \times 10^8) + (7 \times 10^7) + (4 \times 10^6) + (3 \times 10^5) + (2 \times 10^4) + (5 \times 10^3) + (2 \times 10^2) + (3 \times 10^1) + (5 \times 10^0)$

871 360 490  $800\,000\,000 + 70\,000\,000 + 1\,000\,000 + 300\,000 + 60\,000 + 400 + 90$   
 $(8 \times 100\,000\,000) + (7 \times 10\,000\,000) + (1 \times 1\,000\,000) + (3 \times 100\,000) + (6 \times 10\,000) + (4 \times 100) + (9 \times 10)$   
 $(8 \times 10^8) + (7 \times 10^7) + (1 \times 10^6) + (3 \times 10^5) + (6 \times 10^4) + (4 \times 10^2) + (9 \times 10^1)$

278 215 279  $200\,000\,000 + 70\,000\,000 + 8\,000\,000 + 200\,000 + 10\,000 + 5000 + 200 + 70 + 9$   
 $(2 \times 100\,000\,000) + (7 \times 10\,000\,000) + (8 \times 1\,000\,000) + (2 \times 100\,000) + (1 \times 10\,000) + (5 \times 1000) + (2 \times 100) + (7 \times 10) + (9 \times 1)$   
 $(2 \times 10^8) + (7 \times 10^7) + (8 \times 10^6) + (2 \times 10^5) + (1 \times 10^4) + (5 \times 10^3) + (2 \times 10^2) + (7 \times 10^1) + (9 \times 10^0)$

668 877 073  $600\,000\,000 + 60\,000\,000 + 8\,000\,000 + 800\,000 + 70\,000 + 7000 + 70 + 3$   
 $(6 \times 100\,000\,000) + (6 \times 10\,000\,000) + (8 \times 1\,000\,000) + (8 \times 100\,000) + (7 \times 10\,000) + (7 \times 1000) + (7 \times 10) + (3 \times 1)$   
 $(6 \times 10^8) + (6 \times 10^7) + (8 \times 10^6) + (8 \times 10^5) + (7 \times 10^4) + (7 \times 10^3) + (7 \times 10^1) + (3 \times 10^0)$