

## Expanded Exponential Form (J)

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

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

Convert each standard form number to expanded exponential form.

1. 519,667,421
2. 631,239,141
3. 623,716,480
4. 540,888,645
5. 493,838,786
6. 250,369,260
7. 751,273,003
8. 647,575,833
9. 925,199,424
10. 898,759,142

## Expanded Exponential Form (J) Answers

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

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

Convert each standard form number to expanded exponential form.

1. 519,667,421

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

2. 631,239,141

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

3. 623,716,480

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

4. 540,888,645

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

5. 493,838,786

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

6. 250,369,260

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

7. 751,273,003

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

8. 647,575,833

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

9. 925,199,424

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

10. 898,759,142

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