

## Expanded Exponential Form (A)

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

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

Convert each standard form number to expanded exponential form.

1. 220,732,073
2. 358,837,642
3. 938,118,409
4. 242,418,156
5. 759,480,833
6. 743,276,246
7. 429,700,972
8. 184,454,902
9. 669,713,501
10. 912,917,861

## Expanded Exponential Form (A) Answers

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

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

Convert each standard form number to expanded exponential form.

1. 220,732,073

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

2. 358,837,642

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

3. 938,118,409

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

4. 242,418,156

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

5. 759,480,833

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

6. 743,276,246

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

7. 429,700,972

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

8. 184,454,902

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

9. 669,713,501

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

10. 912,917,861

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