

## Expanded Exponential Form (B)

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

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

Convert each standard form number to expanded exponential form.

1. 360,045,335
2. 358,355,571
3. 761,024,643
4. 872,989,802
5. 824,297,178
6. 882,784,643
7. 250,213,083
8. 600,948,177
9. 506,004,495
10. 741,370,807

## Expanded Exponential Form (B) Answers

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

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

Convert each standard form number to expanded exponential form.

1. 360,045,335

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

2. 358,355,571

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

3. 761,024,643

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

4. 872,989,802

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

5. 824,297,178

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

6. 882,784,643

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

7. 250,213,083

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

8. 600,948,177

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

9. 506,004,495

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

10. 741,370,807

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