

Expanded Factors Form (A)

Name: _____

Date: _____

Convert each standard form number to expanded factors form.

1. 527,161,657
2. 984,929,146
3. 563,307,023
4. 672,986,467
5. 560,661,459
6. 704,491,022
7. 293,012,670
8. 383,878,238
9. 768,684,969
10. 423,612,563

Expanded Factors Form (A) Answers

Name: _____

Date: _____

Convert each standard form number to expanded factors form.

1. 527,161,657

$$(5 \times 100,000,000) + (2 \times 10,000,000) + (7 \times 1,000,000) + (1 \times 100,000) + (6 \times 10,000) + (1 \times 1000) + (6 \times 100) + (5 \times 10) + (7 \times 1)$$

2. 984,929,146

$$(9 \times 100,000,000) + (8 \times 10,000,000) + (4 \times 1,000,000) + (9 \times 100,000) + (2 \times 10,000) + (9 \times 1000) + (1 \times 100) + (4 \times 10) + (6 \times 1)$$

3. 563,307,023

$$(5 \times 100,000,000) + (6 \times 10,000,000) + (3 \times 1,000,000) + (3 \times 100,000) + (7 \times 1000) + (2 \times 10) + (3 \times 1)$$

4. 672,986,467

$$(6 \times 100,000,000) + (7 \times 10,000,000) + (2 \times 1,000,000) + (9 \times 100,000) + (8 \times 10,000) + (6 \times 1000) + (4 \times 100) + (6 \times 10) + (7 \times 1)$$

5. 560,661,459

$$(5 \times 100,000,000) + (6 \times 10,000,000) + (6 \times 100,000) + (6 \times 10,000) + (1 \times 1000) + (4 \times 100) + (5 \times 10) + (9 \times 1)$$

6. 704,491,022

$$(7 \times 100,000,000) + (4 \times 1,000,000) + (4 \times 100,000) + (9 \times 10,000) + (1 \times 1000) + (2 \times 10) + (2 \times 1)$$

7. 293,012,670

$$(2 \times 100,000,000) + (9 \times 10,000,000) + (3 \times 1,000,000) + (1 \times 10,000) + (2 \times 1000) + (6 \times 100) + (7 \times 10)$$

8. 383,878,238

$$(3 \times 100,000,000) + (8 \times 10,000,000) + (3 \times 1,000,000) + (8 \times 100,000) + (7 \times 10,000) + (8 \times 1000) + (2 \times 100) + (3 \times 10) + (8 \times 1)$$

9. 768,684,969

$$(7 \times 100,000,000) + (6 \times 10,000,000) + (8 \times 1,000,000) + (6 \times 100,000) + (8 \times 10,000) + (4 \times 1000) + (9 \times 100) + (6 \times 10) + (9 \times 1)$$

10. 423,612,563

$$(4 \times 100,000,000) + (2 \times 10,000,000) + (3 \times 1,000,000) + (6 \times 100,000) + (1 \times 10,000) + (2 \times 1000) + (5 \times 100) + (6 \times 10) + (3 \times 1)$$