

## Expanded Factors Form (A)

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

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

Convert each standard form number to expanded factors form.

1. 7,432,501
2. 8,481,166
3. 4,849,712
4. 2,675,609
5. 7,288,745
6. 2,413,358
7. 7,328,069
8. 9,616,908
9. 5,391,510
10. 1,276,670

## Expanded Factors Form (A) Answers

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

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

Convert each standard form number to expanded factors form.

1. 7,432,501

$$(7 \times 1,000,000) + (4 \times 100,000) + (3 \times 10,000) + (2 \times 1000) + (5 \times 100) + (1 \times 1)$$

2. 8,481,166

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

3. 4,849,712

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

4. 2,675,609

$$(2 \times 1,000,000) + (6 \times 100,000) + (7 \times 10,000) + (5 \times 1000) + (6 \times 100) + (9 \times 1)$$

5. 7,288,745

$$(7 \times 1,000,000) + (2 \times 100,000) + (8 \times 10,000) + (8 \times 1000) + (7 \times 100) + (4 \times 10) + (5 \times 1)$$

6. 2,413,358

$$(2 \times 1,000,000) + (4 \times 100,000) + (1 \times 10,000) + (3 \times 1000) + (3 \times 100) + (5 \times 10) + (8 \times 1)$$

7. 7,328,069

$$(7 \times 1,000,000) + (3 \times 100,000) + (2 \times 10,000) + (8 \times 1000) + (6 \times 10) + (9 \times 1)$$

8. 9,616,908

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

9. 5,391,510

$$(5 \times 1,000,000) + (3 \times 100,000) + (9 \times 10,000) + (1 \times 1000) + (5 \times 100) + (1 \times 10)$$

10. 1,276,670

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

## Expanded Factors Form (B)

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

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

Convert each standard form number to expanded factors form.

1. 4,131,281
2. 3,919,582
3. 8,102,578
4. 5,371,997
5. 5,273,813
6. 7,377,229
7. 8,923,652
8. 4,532,112
9. 7,601,798
10. 7,539,582

## Expanded Factors Form (B) Answers

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

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

Convert each standard form number to expanded factors form.

1. 4,131,281

$$(4 \times 1,000,000) + (1 \times 100,000) + (3 \times 10,000) + (1 \times 1000) + (2 \times 100) + (8 \times 10) + (1 \times 1)$$

2. 3,919,582

$$(3 \times 1,000,000) + (9 \times 100,000) + (1 \times 10,000) + (9 \times 1000) + (5 \times 100) + (8 \times 10) + (2 \times 1)$$

3. 8,102,578

$$(8 \times 1,000,000) + (1 \times 100,000) + (2 \times 1000) + (5 \times 100) + (7 \times 10) + (8 \times 1)$$

4. 5,371,997

$$(5 \times 1,000,000) + (3 \times 100,000) + (7 \times 10,000) + (1 \times 1000) + (9 \times 100) + (9 \times 10) + (7 \times 1)$$

5. 5,273,813

$$(5 \times 1,000,000) + (2 \times 100,000) + (7 \times 10,000) + (3 \times 1000) + (8 \times 100) + (1 \times 10) + (3 \times 1)$$

6. 7,377,229

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

7. 8,923,652

$$(8 \times 1,000,000) + (9 \times 100,000) + (2 \times 10,000) + (3 \times 1000) + (6 \times 100) + (5 \times 10) + (2 \times 1)$$

8. 4,532,112

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

9. 7,601,798

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

10. 7,539,582

$$(7 \times 1,000,000) + (5 \times 100,000) + (3 \times 10,000) + (9 \times 1000) + (5 \times 100) + (8 \times 10) + (2 \times 1)$$

## Expanded Factors Form (C)

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

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

Convert each standard form number to expanded factors form.

1. 4,261,957

2. 1,268,978

3. 5,567,368

4. 4,035,958

5. 7,463,707

6. 9,331,733

7. 2,900,291

8. 6,455,012

9. 5,774,797

10. 5,975,437

## Expanded Factors Form (C) Answers

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

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

Convert each standard form number to expanded factors form.

1. 4,261,957

$$(4 \times 1,000,000) + (2 \times 100,000) + (6 \times 10,000) + (1 \times 1000) + (9 \times 100) + (5 \times 10) + (7 \times 1)$$

2. 1,268,978

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

3. 5,567,368

$$(5 \times 1,000,000) + (5 \times 100,000) + (6 \times 10,000) + (7 \times 1000) + (3 \times 100) + (6 \times 10) + (8 \times 1)$$

4. 4,035,958

$$(4 \times 1,000,000) + (3 \times 10,000) + (5 \times 1000) + (9 \times 100) + (5 \times 10) + (8 \times 1)$$

5. 7,463,707

$$(7 \times 1,000,000) + (4 \times 100,000) + (6 \times 10,000) + (3 \times 1000) + (7 \times 100) + (7 \times 1)$$

6. 9,331,733

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

7. 2,900,291

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

8. 6,455,012

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

9. 5,774,797

$$(5 \times 1,000,000) + (7 \times 100,000) + (7 \times 10,000) + (4 \times 1000) + (7 \times 100) + (9 \times 10) + (7 \times 1)$$

10. 5,975,437

$$(5 \times 1,000,000) + (9 \times 100,000) + (7 \times 10,000) + (5 \times 1000) + (4 \times 100) + (3 \times 10) + (7 \times 1)$$

## Expanded Factors Form (D)

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

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

Convert each standard form number to expanded factors form.

1. 9,487,749
2. 4,439,569
3. 9,730,907
4. 9,338,126
5. 7,614,449
6. 9,119,700
7. 6,068,853
8. 7,632,800
9. 8,874,438
10. 6,972,473

## Expanded Factors Form (D) Answers

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

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

Convert each standard form number to expanded factors form.

1. 9,487,749

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

2. 4,439,569

$$(4 \times 1,000,000) + (4 \times 100,000) + (3 \times 10,000) + (9 \times 1000) + (5 \times 100) + (6 \times 10) + (9 \times 1)$$

3. 9,730,907

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

4. 9,338,126

$$(9 \times 1,000,000) + (3 \times 100,000) + (3 \times 10,000) + (8 \times 1000) + (1 \times 100) + (2 \times 10) + (6 \times 1)$$

5. 7,614,449

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

6. 9,119,700

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

7. 6,068,853

$$(6 \times 1,000,000) + (6 \times 10,000) + (8 \times 1000) + (8 \times 100) + (5 \times 10) + (3 \times 1)$$

8. 7,632,800

$$(7 \times 1,000,000) + (6 \times 100,000) + (3 \times 10,000) + (2 \times 1000) + (8 \times 100)$$

9. 8,874,438

$$(8 \times 1,000,000) + (8 \times 100,000) + (7 \times 10,000) + (4 \times 1000) + (4 \times 100) + (3 \times 10) + (8 \times 1)$$

10. 6,972,473

$$(6 \times 1,000,000) + (9 \times 100,000) + (7 \times 10,000) + (2 \times 1000) + (4 \times 100) + (7 \times 10) + (3 \times 1)$$

## Expanded Factors Form (E)

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

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

Convert each standard form number to expanded factors form.

1. 7,345,990
2. 6,508,305
3. 2,294,919
4. 9,987,160
5. 8,549,576
6. 4,706,268
7. 6,156,222
8. 1,035,657
9. 5,143,000
10. 7,037,542

## Expanded Factors Form (E) Answers

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

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

Convert each standard form number to expanded factors form.

1. 7,345,990

$$(7 \times 1,000,000) + (3 \times 100,000) + (4 \times 10,000) + (5 \times 1000) + (9 \times 100) + (9 \times 10)$$

2. 6,508,305

$$(6 \times 1,000,000) + (5 \times 100,000) + (8 \times 1000) + (3 \times 100) + (5 \times 1)$$

3. 2,294,919

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

4. 9,987,160

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

5. 8,549,576

$$(8 \times 1,000,000) + (5 \times 100,000) + (4 \times 10,000) + (9 \times 1000) + (5 \times 100) + (7 \times 10) + (6 \times 1)$$

6. 4,706,268

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

7. 6,156,222

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

8. 1,035,657

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

9. 5,143,000

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

10. 7,037,542

$$(7 \times 1,000,000) + (3 \times 10,000) + (7 \times 1000) + (5 \times 100) + (4 \times 10) + (2 \times 1)$$

## Expanded Factors Form (F)

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

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

Convert each standard form number to expanded factors form.

1. 6,834,052

2. 2,752,411

3. 7,768,022

4. 4,561,243

5. 4,504,756

6. 3,524,081

7. 1,008,402

8. 8,497,241

9. 6,502,892

10. 2,962,410

## Expanded Factors Form (F) Answers

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

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

Convert each standard form number to expanded factors form.

1. 6,834,052

$$(6 \times 1,000,000) + (8 \times 100,000) + (3 \times 10,000) + (4 \times 1000) + (5 \times 10) + (2 \times 1)$$

2. 2,752,411

$$(2 \times 1,000,000) + (7 \times 100,000) + (5 \times 10,000) + (2 \times 1000) + (4 \times 100) + (1 \times 10) + (1 \times 1)$$

3. 7,768,022

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

4. 4,561,243

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

5. 4,504,756

$$(4 \times 1,000,000) + (5 \times 100,000) + (4 \times 1000) + (7 \times 100) + (5 \times 10) + (6 \times 1)$$

6. 3,524,081

$$(3 \times 1,000,000) + (5 \times 100,000) + (2 \times 10,000) + (4 \times 1000) + (8 \times 10) + (1 \times 1)$$

7. 1,008,402

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

8. 8,497,241

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

9. 6,502,892

$$(6 \times 1,000,000) + (5 \times 100,000) + (2 \times 1000) + (8 \times 100) + (9 \times 10) + (2 \times 1)$$

10. 2,962,410

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

## Expanded Factors Form (G)

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

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

Convert each standard form number to expanded factors form.

1. 5,515,628
2. 7,056,864
3. 8,229,232
4. 1,609,538
5. 2,326,908
6. 1,452,871
7. 8,368,295
8. 2,646,258
9. 5,011,832
10. 6,107,345

## Expanded Factors Form (G) Answers

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

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

Convert each standard form number to expanded factors form.

1. 5,515,628

$$(5 \times 1,000,000) + (5 \times 100,000) + (1 \times 10,000) + (5 \times 1000) + (6 \times 100) + (2 \times 10) + (8 \times 1)$$

2. 7,056,864

$$(7 \times 1,000,000) + (5 \times 10,000) + (6 \times 1000) + (8 \times 100) + (6 \times 10) + (4 \times 1)$$

3. 8,229,232

$$(8 \times 1,000,000) + (2 \times 100,000) + (2 \times 10,000) + (9 \times 1000) + (2 \times 100) + (3 \times 10) + (2 \times 1)$$

4. 1,609,538

$$(1 \times 1,000,000) + (6 \times 100,000) + (9 \times 1000) + (5 \times 100) + (3 \times 10) + (8 \times 1)$$

5. 2,326,908

$$(2 \times 1,000,000) + (3 \times 100,000) + (2 \times 10,000) + (6 \times 1000) + (9 \times 100) + (8 \times 1)$$

6. 1,452,871

$$(1 \times 1,000,000) + (4 \times 100,000) + (5 \times 10,000) + (2 \times 1000) + (8 \times 100) + (7 \times 10) + (1 \times 1)$$

7. 8,368,295

$$(8 \times 1,000,000) + (3 \times 100,000) + (6 \times 10,000) + (8 \times 1000) + (2 \times 100) + (9 \times 10) + (5 \times 1)$$

8. 2,646,258

$$(2 \times 1,000,000) + (6 \times 100,000) + (4 \times 10,000) + (6 \times 1000) + (2 \times 100) + (5 \times 10) + (8 \times 1)$$

9. 5,011,832

$$(5 \times 1,000,000) + (1 \times 10,000) + (1 \times 1000) + (8 \times 100) + (3 \times 10) + (2 \times 1)$$

10. 6,107,345

$$(6 \times 1,000,000) + (1 \times 100,000) + (7 \times 1000) + (3 \times 100) + (4 \times 10) + (5 \times 1)$$

## Expanded Factors Form (H)

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

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

Convert each standard form number to expanded factors form.

1. 3,887,763
2. 7,283,386
3. 5,565,980
4. 6,463,230
5. 4,857,987
6. 7,364,457
7. 9,115,488
8. 8,938,988
9. 5,662,558
10. 4,521,808

## Expanded Factors Form (H) Answers

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

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

Convert each standard form number to expanded factors form.

1. 3,887,763

$$(3 \times 1,000,000) + (8 \times 100,000) + (8 \times 10,000) + (7 \times 1000) + (7 \times 100) + (6 \times 10) + (3 \times 1)$$

2. 7,283,386

$$(7 \times 1,000,000) + (2 \times 100,000) + (8 \times 10,000) + (3 \times 1000) + (3 \times 100) + (8 \times 10) + (6 \times 1)$$

3. 5,565,980

$$(5 \times 1,000,000) + (5 \times 100,000) + (6 \times 10,000) + (5 \times 1000) + (9 \times 100) + (8 \times 10)$$

4. 6,463,230

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

5. 4,857,987

$$(4 \times 1,000,000) + (8 \times 100,000) + (5 \times 10,000) + (7 \times 1000) + (9 \times 100) + (8 \times 10) + (7 \times 1)$$

6. 7,364,457

$$(7 \times 1,000,000) + (3 \times 100,000) + (6 \times 10,000) + (4 \times 1000) + (4 \times 100) + (5 \times 10) + (7 \times 1)$$

7. 9,115,488

$$(9 \times 1,000,000) + (1 \times 100,000) + (1 \times 10,000) + (5 \times 1000) + (4 \times 100) + (8 \times 10) + (8 \times 1)$$

8. 8,938,988

$$(8 \times 1,000,000) + (9 \times 100,000) + (3 \times 10,000) + (8 \times 1000) + (9 \times 100) + (8 \times 10) + (8 \times 1)$$

9. 5,662,558

$$(5 \times 1,000,000) + (6 \times 100,000) + (6 \times 10,000) + (2 \times 1000) + (5 \times 100) + (5 \times 10) + (8 \times 1)$$

10. 4,521,808

$$(4 \times 1,000,000) + (5 \times 100,000) + (2 \times 10,000) + (1 \times 1000) + (8 \times 100) + (8 \times 1)$$

# Expanded Factors Form (I)

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

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

Convert each standard form number to expanded factors form.

1. 5,020,911
2. 5,881,794
3. 9,750,689
4. 5,830,256
5. 2,997,463
6. 1,856,485
7. 1,101,180
8. 6,446,868
9. 9,479,834
10. 3,772,390

## Expanded Factors Form (I) Answers

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

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

Convert each standard form number to expanded factors form.

1. 5,020,911

$$(5 \times 1,000,000) + (2 \times 10,000) + (9 \times 100) + (1 \times 10) + (1 \times 1)$$

2. 5,881,794

$$(5 \times 1,000,000) + (8 \times 100,000) + (8 \times 10,000) + (1 \times 1000) + (7 \times 100) + (9 \times 10) + (4 \times 1)$$

3. 9,750,689

$$(9 \times 1,000,000) + (7 \times 100,000) + (5 \times 10,000) + (6 \times 100) + (8 \times 10) + (9 \times 1)$$

4. 5,830,256

$$(5 \times 1,000,000) + (8 \times 100,000) + (3 \times 10,000) + (2 \times 100) + (5 \times 10) + (6 \times 1)$$

5. 2,997,463

$$(2 \times 1,000,000) + (9 \times 100,000) + (9 \times 10,000) + (7 \times 1000) + (4 \times 100) + (6 \times 10) + (3 \times 1)$$

6. 1,856,485

$$(1 \times 1,000,000) + (8 \times 100,000) + (5 \times 10,000) + (6 \times 1000) + (4 \times 100) + (8 \times 10) + (5 \times 1)$$

7. 1,101,180

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

8. 6,446,868

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

9. 9,479,834

$$(9 \times 1,000,000) + (4 \times 100,000) + (7 \times 10,000) + (9 \times 1000) + (8 \times 100) + (3 \times 10) + (4 \times 1)$$

10. 3,772,390

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

## Expanded Factors Form (J)

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

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

Convert each standard form number to expanded factors form.

1. 3,090,384
2. 5,810,187
3. 8,180,960
4. 4,903,701
5. 6,477,972
6. 5,712,101
7. 5,092,806
8. 9,855,532
9. 6,540,959
10. 4,829,794

## Expanded Factors Form (J) Answers

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

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

Convert each standard form number to expanded factors form.

1. 3,090,384

$$(3 \times 1,000,000) + (9 \times 10,000) + (3 \times 100) + (8 \times 10) + (4 \times 1)$$

2. 5,810,187

$$(5 \times 1,000,000) + (8 \times 100,000) + (1 \times 10,000) + (1 \times 100) + (8 \times 10) + (7 \times 1)$$

3. 8,180,960

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

4. 4,903,701

$$(4 \times 1,000,000) + (9 \times 100,000) + (3 \times 1000) + (7 \times 100) + (1 \times 1)$$

5. 6,477,972

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

6. 5,712,101

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

7. 5,092,806

$$(5 \times 1,000,000) + (9 \times 10,000) + (2 \times 1000) + (8 \times 100) + (6 \times 1)$$

8. 9,855,532

$$(9 \times 1,000,000) + (8 \times 100,000) + (5 \times 10,000) + (5 \times 1000) + (5 \times 100) + (3 \times 10) + (2 \times 1)$$

9. 6,540,959

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

10. 4,829,794

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