Expanded Exponential Form (A)

Name: _____ Date: _____

Convert each standard form number to expanded exponential form.

1. 1878

2. 1788

3. 7781

4. 9846

5. 3159

6. 6224

7. 4077

8. 7897

9. 8011

10. 7518

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 1878
$(1 \times 10^3) + (8 \times 10^2) + (7 \times 10^1) + (8 \times 10^0)$

2. 1788
$(1 \times 10^3) + (7 \times 10^2) + (8 \times 10^1) + (8 \times 10^0)$

3. 7781
$(7 \times 10^3) + (7 \times 10^2) + (8 \times 10^1) + (1 \times 10^0)$

4. 9846
$(9 \times 10^3) + (8 \times 10^2) + (4 \times 10^1) + (6 \times 10^0)$

5. 3159
$(3 \times 10^3) + (1 \times 10^2) + (5 \times 10^1) + (9 \times 10^0)$

6. 6224
$(6 \times 10^3) + (2 \times 10^2) + (2 \times 10^1) + (4 \times 10^0)$

7. 4077
$(4 \times 10^3) + (7 \times 10^1) + (7 \times 10^0)$

8. 7897
$(7 \times 10^3) + (8 \times 10^2) + (9 \times 10^1) + (7 \times 10^0)$

9. 8011
$(8 \times 10^3) + (1 \times 10^1) + (1 \times 10^0)$

10. 7518
$(7 \times 10^3) + (5 \times 10^2) + (1 \times 10^1) + (8 \times 10^0)$

Expanded Exponential Form (B)

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 9838

2. 4498

3. 5613

4. 4543

5. 6007

6. 8316

7. 9446

8. 4132

9. 7819

10. 7756

Expanded Exponential Form (B) Answers

Name: _____

Convert each standard form number to expanded exponential form.

1. 9838
$(9 \times 10^3) + (8 \times 10^2) + (3 \times 10^1) + (8 \times 10^0)$

2. 4498
$(4 \times 10^3) + (4 \times 10^2) + (9 \times 10^1) + (8 \times 10^0)$

3. 5613
$(5 \times 10^3) + (6 \times 10^2) + (1 \times 10^1) + (3 \times 10^0)$

4. 4543
$(4 \times 10^3) + (5 \times 10^2) + (4 \times 10^1) + (3 \times 10^0)$

5. 6007
$(6 \times 10^3) + (7 \times 10^0)$

6. 8316
$(8 \times 10^3) + (3 \times 10^2) + (1 \times 10^1) + (6 \times 10^0)$

7. 9446
$(9 \times 10^3) + (4 \times 10^2) + (4 \times 10^1) + (6 \times 10^0)$

8. 4132
$(4 \times 10^3) + (1 \times 10^2) + (3 \times 10^1) + (2 \times 10^0)$

9. 7819
$(7 \times 10^3) + (8 \times 10^2) + (1 \times 10^1) + (9 \times 10^0)$

10. 7756
$(7 \times 10^3) + (7 \times 10^2) + (5 \times 10^1) + (6 \times 10^0)$

Name: _____   Date: _____

Convert each standard form number to expanded exponential form.

1. 7231

2. 9672

3. 8572

4. 2245

5. 4786

6. 6106

7. 9780

8. 7296

9. 8090

10. 2359

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 7231
$(7 \times 10^3) + (2 \times 10^2) + (3 \times 10^1) + (1 \times 10^0)$

2. 9672
$(9 \times 10^3) + (6 \times 10^2) + (7 \times 10^1) + (2 \times 10^0)$

3. 8572
$(8 \times 10^3) + (5 \times 10^2) + (7 \times 10^1) + (2 \times 10^0)$

4. 2245
$(2 \times 10^3) + (2 \times 10^2) + (4 \times 10^1) + (5 \times 10^0)$

5. 4786
$(4 \times 10^3) + (7 \times 10^2) + (8 \times 10^1) + (6 \times 10^0)$

6. 6106
$(6 \times 10^3) + (1 \times 10^2) + (6 \times 10^0)$

7. 9780
$(9 \times 10^3) + (7 \times 10^2) + (8 \times 10^1)$

8. 7296
$(7 \times 10^3) + (2 \times 10^2) + (9 \times 10^1) + (6 \times 10^0)$

9. 8090
$(8 \times 10^3) + (9 \times 10^1)$

10. 2359
$(2 \times 10^3) + (3 \times 10^2) + (5 \times 10^1) + (9 \times 10^0)$

Expanded Exponential Form (D)

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 1119

2. 7147

3. 6929

4. 6087

5. 3419

6. 5334

7. 2385

8. 8504

9. 7088

10. 6566

Expanded Exponential Form (D) Answers

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 1119
   $(1 \times 10^3) + (1 \times 10^2) + (1 \times 10^1) + (9 \times 10^0)$

2. 7147
   $(7 \times 10^3) + (1 \times 10^2) + (4 \times 10^1) + (7 \times 10^0)$

3. 6929
   $(6 \times 10^3) + (9 \times 10^2) + (2 \times 10^1) + (9 \times 10^0)$

4. 6087
   $(6 \times 10^3) + (8 \times 10^1) + (7 \times 10^0)$

5. 3419
   $(3 \times 10^3) + (4 \times 10^2) + (1 \times 10^1) + (9 \times 10^0)$

6. 5334
   $(5 \times 10^3) + (3 \times 10^2) + (3 \times 10^1) + (4 \times 10^0)$

7. 2385
   $(2 \times 10^3) + (3 \times 10^2) + (8 \times 10^1) + (5 \times 10^0)$

8. 8504
   $(8 \times 10^3) + (5 \times 10^2) + (4 \times 10^0)$

9. 7088
   $(7 \times 10^3) + (8 \times 10^1) + (8 \times 10^0)$

10. 6566
    $(6 \times 10^3) + (5 \times 10^2) + (6 \times 10^1) + (6 \times 10^0)$

Expanded Exponential Form (E)

Name: _____   Date: _____

Convert each standard form number to expanded exponential form.

1. 1811

2. 9538

3. 9705

4. 2613

5. 1009

6. 1827

7. 2515

8. 5898

9. 2377

10. 7356

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 1811
$(1 \times 10^3) + (8 \times 10^2) + (1 \times 10^1) + (1 \times 10^0)$

2. 9538
$(9 \times 10^3) + (5 \times 10^2) + (3 \times 10^1) + (8 \times 10^0)$

3. 9705
$(9 \times 10^3) + (7 \times 10^2) + (5 \times 10^0)$

4. 2613
$(2 \times 10^3) + (6 \times 10^2) + (1 \times 10^1) + (3 \times 10^0)$

5. 1009
$(1 \times 10^3) + (9 \times 10^0)$

6. 1827
$(1 \times 10^3) + (8 \times 10^2) + (2 \times 10^1) + (7 \times 10^0)$

7. 2515
$(2 \times 10^3) + (5 \times 10^2) + (1 \times 10^1) + (5 \times 10^0)$

8. 5898
$(5 \times 10^3) + (8 \times 10^2) + (9 \times 10^1) + (8 \times 10^0)$

9. 2377
$(2 \times 10^3) + (3 \times 10^2) + (7 \times 10^1) + (7 \times 10^0)$

10. 7356
$(7 \times 10^3) + (3 \times 10^2) + (5 \times 10^1) + (6 \times 10^0)$

Expanded Exponential Form (F)

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 8403

2. 5585

3. 4930

4. 3551

5. 2030

6. 2110

7. 1718

8. 4383

9. 8550

10. 8710

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 8403
   $(8 \times 10^3) + (4 \times 10^2) + (3 \times 10^0)$

2. 5585
   $(5 \times 10^3) + (5 \times 10^2) + (8 \times 10^1) + (5 \times 10^0)$

3. 4930
   $(4 \times 10^3) + (9 \times 10^2) + (3 \times 10^1)$

4. 3551
   $(3 \times 10^3) + (5 \times 10^2) + (5 \times 10^1) + (1 \times 10^0)$

5. 2030
   $(2 \times 10^3) + (3 \times 10^1)$

6. 2110
   $(2 \times 10^3) + (1 \times 10^2) + (1 \times 10^1)$

7. 1718
   $(1 \times 10^3) + (7 \times 10^2) + (1 \times 10^1) + (8 \times 10^0)$

8. 4383
   $(4 \times 10^3) + (3 \times 10^2) + (8 \times 10^1) + (3 \times 10^0)$

9. 8550
   $(8 \times 10^3) + (5 \times 10^2) + (5 \times 10^1)$

10. 8710
    $(8 \times 10^3) + (7 \times 10^2) + (1 \times 10^1)$

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 5589

2. 9976

3. 3344

4. 1393

5. 1012

6. 1907

7. 3989

8. 5625

9. 9291

10. 5151

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 5589
    $(5 \times 10^3) + (5 \times 10^2) + (8 \times 10^1) + (9 \times 10^0)$

2. 9976
    $(9 \times 10^3) + (9 \times 10^2) + (7 \times 10^1) + (6 \times 10^0)$

3. 3344
    $(3 \times 10^3) + (3 \times 10^2) + (4 \times 10^1) + (4 \times 10^0)$

4. 1393
    $(1 \times 10^3) + (3 \times 10^2) + (9 \times 10^1) + (3 \times 10^0)$

5. 1012
    $(1 \times 10^3) + (1 \times 10^1) + (2 \times 10^0)$

6. 1907
    $(1 \times 10^3) + (9 \times 10^2) + (7 \times 10^0)$

7. 3989
    $(3 \times 10^3) + (9 \times 10^2) + (8 \times 10^1) + (9 \times 10^0)$

8. 5625
    $(5 \times 10^3) + (6 \times 10^2) + (2 \times 10^1) + (5 \times 10^0)$

9. 9291
    $(9 \times 10^3) + (2 \times 10^2) + (9 \times 10^1) + (1 \times 10^0)$

10. 5151
    $(5 \times 10^3) + (1 \times 10^2) + (5 \times 10^1) + (1 \times 10^0)$

Expanded Exponential Form (H)

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 5052

2. 2351

3. 4046

4. 7697

5. 8200

6. 2112

7. 3323

8. 9106

9. 6187

10. 3172

Expanded Exponential Form (H) Answers

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 5052
   $(5 \times 10^3) + (5 \times 10^1) + (2 \times 10^0)$

2. 2351
   $(2 \times 10^3) + (3 \times 10^2) + (5 \times 10^1) + (1 \times 10^0)$

3. 4046
   $(4 \times 10^3) + (4 \times 10^1) + (6 \times 10^0)$

4. 7697
   $(7 \times 10^3) + (6 \times 10^2) + (9 \times 10^1) + (7 \times 10^0)$

5. 8200
   $(8 \times 10^3) + (2 \times 10^2)$

6. 2112
   $(2 \times 10^3) + (1 \times 10^2) + (1 \times 10^1) + (2 \times 10^0)$

7. 3323
   $(3 \times 10^3) + (3 \times 10^2) + (2 \times 10^1) + (3 \times 10^0)$

8. 9106
   $(9 \times 10^3) + (1 \times 10^2) + (6 \times 10^0)$

9. 6187
   $(6 \times 10^3) + (1 \times 10^2) + (8 \times 10^1) + (7 \times 10^0)$

10. 3172
   $(3 \times 10^3) + (1 \times 10^2) + (7 \times 10^1) + (2 \times 10^0)$

Expanded Exponential Form (I)

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 5400

2. 6501

3. 8660

4. 6241

5. 3656

6. 8027

7. 2705

8. 6395

9. 5006

10. 8743

Expanded Exponential Form (I) Answers

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 5400
$(5 \times 10^3) + (4 \times 10^2)$

2. 6501
$(6 \times 10^3) + (5 \times 10^2) + (1 \times 10^0)$

3. 8660
$(8 \times 10^3) + (6 \times 10^2) + (6 \times 10^1)$

4. 6241
$(6 \times 10^3) + (2 \times 10^2) + (4 \times 10^1) + (1 \times 10^0)$

5. 3656
$(3 \times 10^3) + (6 \times 10^2) + (5 \times 10^1) + (6 \times 10^0)$

6. 8027
$(8 \times 10^3) + (2 \times 10^1) + (7 \times 10^0)$

7. 2705
$(2 \times 10^3) + (7 \times 10^2) + (5 \times 10^0)$

8. 6395
$(6 \times 10^3) + (3 \times 10^2) + (9 \times 10^1) + (5 \times 10^0)$

9. 5006
$(5 \times 10^3) + (6 \times 10^0)$

10. 8743
$(8 \times 10^3) + (7 \times 10^2) + (4 \times 10^1) + (3 \times 10^0)$

Expanded Exponential Form (J)

Name: _____   Date: _____

Convert each standard form number to expanded exponential form.

1. 9916

2. 9033

3. 4560

4. 7610

5. 5748

6. 8030

7. 3191

8. 1611

9. 4333

10. 8696

Name: _____

Date: _____

Convert each standard form number to expanded exponential form.

1. 9916
$(9 \times 10^3) + (9 \times 10^2) + (1 \times 10^1) + (6 \times 10^0)$

2. 9033
$(9 \times 10^3) + (3 \times 10^1) + (3 \times 10^0)$

3. 4560
$(4 \times 10^3) + (5 \times 10^2) + (6 \times 10^1)$

4. 7610
$(7 \times 10^3) + (6 \times 10^2) + (1 \times 10^1)$

5. 5748
$(5 \times 10^3) + (7 \times 10^2) + (4 \times 10^1) + (8 \times 10^0)$

6. 8030
$(8 \times 10^3) + (3 \times 10^1)$

7. 3191
$(3 \times 10^3) + (1 \times 10^2) + (9 \times 10^1) + (1 \times 10^0)$

8. 1611
$(1 \times 10^3) + (6 \times 10^2) + (1 \times 10^1) + (1 \times 10^0)$

9. 4333
$(4 \times 10^3) + (3 \times 10^2) + (3 \times 10^1) + (3 \times 10^0)$

10. 8696
$(8 \times 10^3) + (6 \times 10^2) + (9 \times 10^1) + (6 \times 10^0)$