

# Numbers in Expanded Form (A)

Write out the following numbers in expanded form.

1.  $970,842,844,567.928 =$  \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2.  $583,215,916,493.725 =$  \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3.  $999,590,072,457.818 =$  \_\_\_\_\_

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\_\_\_\_\_

4.  $853,751,367,419.696 =$  \_\_\_\_\_

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\_\_\_\_\_

5.  $205,588,349,330.972 =$  \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6.  $332,768,840,004.977 =$  \_\_\_\_\_

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7.  $454,458,312,057.934 =$  \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8.  $989,870,808,226.842 =$  \_\_\_\_\_

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\_\_\_\_\_

## Numbers in Expanded Form (A) Answers

Write out the following numbers in expanded form.

1.  $970,842,844,567.928 = (9 \times 10^{11}) + (7 \times 10^{10}) + (8 \times 10^8) + (4 \times 10^7) + (2 \times 10^6) + (8 \times 10^5) + (4 \times 10^4) + (4 \times 10^3) + (5 \times 10^2) + (6 \times 10^1) + (7 \times 10^0) + (9 \times 10^{-1}) + (2 \times 10^{-2}) + (8 \times 10^{-3})$

2.  $583,215,916,493.725 = (5 \times 10^{11}) + (8 \times 10^{10}) + (3 \times 10^9) + (2 \times 10^8) + (1 \times 10^7) + (5 \times 10^6) + (9 \times 10^5) + (1 \times 10^4) + (6 \times 10^3) + (4 \times 10^2) + (9 \times 10^1) + (3 \times 10^0) + (7 \times 10^{-1}) + (2 \times 10^{-2}) + (5 \times 10^{-3})$

3.  $999,590,072,457.818 = (9 \times 10^{11}) + (9 \times 10^{10}) + (9 \times 10^9) + (5 \times 10^8) + (9 \times 10^7) + (7 \times 10^4) + (2 \times 10^3) + (4 \times 10^2) + (5 \times 10^1) + (7 \times 10^0) + (8 \times 10^{-1}) + (1 \times 10^{-2}) + (8 \times 10^{-3})$

4.  $853,751,367,419.696 = (8 \times 10^{11}) + (5 \times 10^{10}) + (3 \times 10^9) + (7 \times 10^8) + (5 \times 10^7) + (1 \times 10^6) + (3 \times 10^5) + (6 \times 10^4) + (7 \times 10^3) + (4 \times 10^2) + (1 \times 10^1) + (9 \times 10^0) + (6 \times 10^{-1}) + (9 \times 10^{-2}) + (6 \times 10^{-3})$

5.  $205,588,349,330.972 = (2 \times 10^{11}) + (5 \times 10^9) + (5 \times 10^8) + (8 \times 10^7) + (8 \times 10^6) + (3 \times 10^5) + (4 \times 10^4) + (9 \times 10^3) + (3 \times 10^2) + (3 \times 10^1) + (9 \times 10^{-1}) + (7 \times 10^{-2}) + (2 \times 10^{-3})$

6.  $332,768,840,004.977 = (3 \times 10^{11}) + (3 \times 10^{10}) + (2 \times 10^9) + (7 \times 10^8) + (6 \times 10^7) + (8 \times 10^6) + (8 \times 10^5) + (4 \times 10^4) + (4 \times 10^0) + (9 \times 10^{-1}) + (7 \times 10^{-2}) + (7 \times 10^{-3})$

7.  $454,458,312,057.934 = (4 \times 10^{11}) + (5 \times 10^{10}) + (4 \times 10^9) + (4 \times 10^8) + (5 \times 10^7) + (8 \times 10^6) + (3 \times 10^5) + (1 \times 10^4) + (2 \times 10^3) + (5 \times 10^1) + (7 \times 10^0) + (9 \times 10^{-1}) + (3 \times 10^{-2}) + (4 \times 10^{-3})$

8.  $989,870,808,226.842 = (9 \times 10^{11}) + (8 \times 10^{10}) + (9 \times 10^9) + (8 \times 10^8) + (7 \times 10^7) + (8 \times 10^5) + (8 \times 10^3) + (2 \times 10^2) + (2 \times 10^1) + (6 \times 10^0) + (8 \times 10^{-1}) + (4 \times 10^{-2}) + (2 \times 10^{-3})$