

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

# Converting Numbers

Any number can be written  
in many ways.

Example: 726.349 can be written as



$$\begin{aligned} &7 \times 100 \\ &+ 2 \times 10 \\ &+ 6 \times 1 \\ &+ 3 \times 1/10 \\ &+ 4 \times 1/100 \\ &+ 9 \times 1/1000 \end{aligned}$$

## Part I

Fill in the blanks to rewrite each number below.

A. 438.162

$$\begin{aligned} &\underline{\quad} \times 100 \\ &+ \underline{\quad} \times 10 \\ &+ \underline{\quad} \times 1 \\ &+ \underline{\quad} \times 1/10 \\ &+ \underline{\quad} \times 1/100 \\ &+ \underline{\quad} \times 1/1000 \end{aligned}$$

B. 293.406

$$\begin{aligned} &\underline{\quad} \times 100 \\ &+ \underline{\quad} \times 10 \\ &+ \underline{\quad} \times 1 \\ &+ \underline{\quad} \times 1/10 \\ &+ \underline{\quad} \times 1/100 \\ &+ \underline{\quad} \times 1/1000 \end{aligned}$$

C. 561.287

$$\begin{aligned} &\underline{\quad} \times 100 \\ &+ \underline{\quad} \times 10 \\ &+ \underline{\quad} \times 1 \\ &+ \underline{\quad} \times 1/10 \\ &+ \underline{\quad} \times 1/100 \\ &+ \underline{\quad} \times 1/1000 \end{aligned}$$

D. 980.561

$$\begin{aligned} &\underline{\quad} \times 100 \\ &+ \underline{\quad} \times 10 \\ &+ \underline{\quad} \times 1 \\ &+ \underline{\quad} \times 1/10 \\ &+ \underline{\quad} \times 1/100 \\ &+ \underline{\quad} \times 1/1000 \end{aligned}$$

## Part II

Write the number for each equation below.

A.

$$\begin{aligned} &\underline{6} \times 100 \\ &+ \underline{7} \times 10 \\ &+ \underline{2} \times 1 \\ &+ \underline{9} \times 1/10 \\ &+ \underline{3} \times 1/100 \\ &+ \underline{8} \times 1/1000 \end{aligned}$$

\_\_\_\_\_

B.

$$\begin{aligned} &\underline{3} \times 100 \\ &+ \underline{5} \times 10 \\ &+ \underline{1} \times 1 \\ &+ \underline{2} \times 1/10 \\ &+ \underline{0} \times 1/100 \\ &+ \underline{7} \times 1/1000 \end{aligned}$$

\_\_\_\_\_

C.

$$\begin{aligned} &\underline{1} \times 100 \\ &+ \underline{8} \times 10 \\ &+ \underline{6} \times 1 \\ &+ \underline{0} \times 1/10 \\ &+ \underline{3} \times 1/100 \\ &+ \underline{5} \times 1/1000 \end{aligned}$$

\_\_\_\_\_

D.

$$\begin{aligned} &\underline{8} \times 100 \\ &+ \underline{0} \times 10 \\ &+ \underline{9} \times 1 \\ &+ \underline{6} \times 1/10 \\ &+ \underline{8} \times 1/100 \\ &+ \underline{0} \times 1/1000 \end{aligned}$$

\_\_\_\_\_

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**KEY**

# Converting Numbers

Any number can be written  
in many ways.

Example: 726.349 can be written as



$$\begin{aligned}
 &7 \times 100 \\
 &+ 2 \times 10 \\
 &+ 6 \times 1 \\
 &+ 3 \times \frac{1}{10} \\
 &+ 4 \times \frac{1}{100} \\
 &+ 9 \times \frac{1}{1000}
 \end{aligned}$$

## Part I

Fill in the blanks to rewrite each number below.

A. 438.162

$$\begin{aligned}
 &\underline{4} \times 100 \\
 &+ \underline{3} \times 10 \\
 &+ \underline{8} \times 1 \\
 &+ \underline{1} \times \frac{1}{10} \\
 &+ \underline{6} \times \frac{1}{100} \\
 &+ \underline{2} \times \frac{1}{1000}
 \end{aligned}$$

B. 293.406

$$\begin{aligned}
 &\underline{2} \times 100 \\
 &+ \underline{9} \times 10 \\
 &+ \underline{3} \times 1 \\
 &+ \underline{4} \times \frac{1}{10} \\
 &+ \underline{0} \times \frac{1}{100} \\
 &+ \underline{6} \times \frac{1}{1000}
 \end{aligned}$$

C. 561.287

$$\begin{aligned}
 &\underline{5} \times 100 \\
 &+ \underline{6} \times 10 \\
 &+ \underline{1} \times 1 \\
 &+ \underline{2} \times \frac{1}{10} \\
 &+ \underline{8} \times \frac{1}{100} \\
 &+ \underline{7} \times \frac{1}{1000}
 \end{aligned}$$

D. 980.561

$$\begin{aligned}
 &\underline{9} \times 100 \\
 &+ \underline{8} \times 10 \\
 &+ \underline{0} \times 1 \\
 &+ \underline{5} \times \frac{1}{10} \\
 &+ \underline{6} \times \frac{1}{100} \\
 &+ \underline{1} \times \frac{1}{1000}
 \end{aligned}$$

## Part II

Write the number for each equation below.

A.

$$\begin{aligned}
 &\underline{6} \times 100 \\
 &+ \underline{7} \times 10 \\
 &+ \underline{2} \times 1 \\
 &+ \underline{9} \times \frac{1}{10} \\
 &+ \underline{3} \times \frac{1}{100} \\
 &+ \underline{8} \times \frac{1}{1000}
 \end{aligned}$$

672.938

B.

$$\begin{aligned}
 &\underline{3} \times 100 \\
 &+ \underline{5} \times 10 \\
 &+ \underline{1} \times 1 \\
 &+ \underline{2} \times \frac{1}{10} \\
 &+ \underline{0} \times \frac{1}{100} \\
 &+ \underline{7} \times \frac{1}{1000}
 \end{aligned}$$

351.207

C.

$$\begin{aligned}
 &\underline{1} \times 100 \\
 &+ \underline{8} \times 10 \\
 &+ \underline{6} \times 1 \\
 &+ \underline{0} \times \frac{1}{10} \\
 &+ \underline{3} \times \frac{1}{100} \\
 &+ \underline{5} \times \frac{1}{1000}
 \end{aligned}$$

186.035

D.

$$\begin{aligned}
 &\underline{8} \times 100 \\
 &+ \underline{0} \times 10 \\
 &+ \underline{9} \times 1 \\
 &+ \underline{6} \times \frac{1}{10} \\
 &+ \underline{8} \times \frac{1}{100} \\
 &+ \underline{0} \times \frac{1}{1000}
 \end{aligned}$$

809.680