

## Identifying Decimal Number Places

NS-DPV 1

**Instructions:** Use your knowledge of number place names to identify the digits asked for in each problem below.

**1**    **3****4****.****2****8****5**

What digit is in the tens place? ..... 3

What digit is in the tenths place? ..... 2

**2**    **1****.****0****6****7**

What digit is in the tenths place? ..... \_\_\_\_\_

What digit is in the hundredths place? ..... \_\_\_\_\_

**3**    **4****1****0****.****5****2****8**

What digit is in the tenths place? ..... \_\_\_\_\_

What digit is in the thousandths place? ..... \_\_\_\_\_

**4**    **3****.****7****4****1****9****5**

What digit is in the hundredths place? ..... \_\_\_\_\_

What digit is in the ten-thousandths place? ..... \_\_\_\_\_

**5**    **5****2****.****3****7****4****8****6**

What digit is in the tenths place? ..... \_\_\_\_\_

What digit is in the hundred-thousandths place? ..... \_\_\_\_\_

**6**    **1****9****6****.****7****2****5****8**

What digit is in the hundreds place? ..... \_\_\_\_\_

What digit is in the hundredths place? ..... \_\_\_\_\_

**7**    **7****.****4****3****9****1****8****5**

What digit is in the ones place? ..... \_\_\_\_\_

What digit is in the millionths place? ..... \_\_\_\_\_

## Invisible Decimal Number Places

NS-DPV 2

**Instructions:** Number places are usually invisible, so you need to be able to identify the digits they contain even when they are not shown. For each multi-digit number below, circle the digit that is in the number place listed.

1 tenths place  
42.35

2 thousandths place  
521.849

3 ones place  
43.20675

4 hundreds place  
8,461.250

5 hundredth place  
789.520

6 tens place  
12.059438

7 tenths place  
745.6

8 ten-thousandths place  
54.16925

9 hundreds place  
2,310.5794

10 millionths place  
843.010854

11 hundredths place  
6,351.33

12 hundred-thousandths place  
5,106.3007824

13 thousandths place  
1.15627886

14 ones place  
42.626

15 thousands place  
9,426.37294218

16 tenths place  
3.63280207

## Place Value with Decimals

NS-DPV 3

**Instructions:** Remember that a digit's place determines its value as you answer the questions below.

**1** What is the place value of the digit '2' in this number?  
16.275       $\frac{2}{10}$  \_\_\_\_\_

**2** What is the place value of the digit '4' in this number?  
3.141       $\frac{4}{100}$  \_\_\_\_\_

**3** What is the place value of the digit '9' in this number?  
350.97      \_\_\_\_\_

**4** What is the place value of the digit '7' in this number?  
75.8      \_\_\_\_\_

**5** What is the place value of the digit '1' in this number?  
0.73194      \_\_\_\_\_

**6** What is the place value of the digit '8' in this number?  
5.2814      \_\_\_\_\_

**7** What is the place value of the digit '3' in this number?  
1,350.76      \_\_\_\_\_

**8** What is the place value of the digit '7' in this number?  
50.328716      \_\_\_\_\_

**9** What is the place value of the digit '5' in this number?  
24.5003      \_\_\_\_\_

**10** What is the place value of the digit '9' in this number?  
9,342.12      \_\_\_\_\_

**11** What is the place value of the digit '4' in this number?  
10.0472      \_\_\_\_\_

**12** What is the place value of the digit '5' in this number?  
12.938657      \_\_\_\_\_

**13** What is the place value of the digit '8' in this number?  
178.53      \_\_\_\_\_

**14** What is the place value of the digit '6' in this number?  
29.168      \_\_\_\_\_

## Expanded Form with Decimals

NS-DPV 4

**Instructions:** Use what you learned in the video to write these numbers in expanded form.

1 153.427  $100 + 50 + 3 + \frac{4}{10} + \frac{2}{100} + \frac{7}{1,000}$

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2 24.75

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3 5.609

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4 0.1234

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5 5,822.3

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6 39.054

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7 604.855

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8 9.83924

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9 0.202

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10 550.346

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11 0.05203

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12 473.625

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