

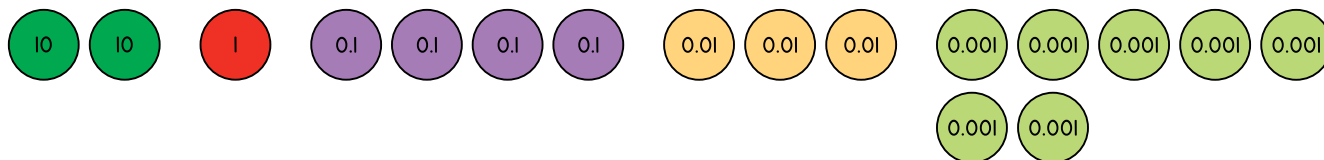


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Name \_\_\_\_\_

Date \_\_\_\_\_

1. Use the place value disks shown to complete parts (a)–(f).



- The place value disks represent the number \_\_\_\_\_.
- The digit \_\_\_\_\_ is in the tens place. It has a value of \_\_\_\_\_.
- The digit 1 is in the \_\_\_\_\_ place. It has a value of \_\_\_\_\_.
- The digit \_\_\_\_\_ is in the tenths place. It has a value of \_\_\_\_\_.
- The digit 3 is in the \_\_\_\_\_ place. It has a value of \_\_\_\_\_.
- The digit \_\_\_\_\_ is in the \_\_\_\_\_ place. It has a value of 0.007.

2. Use the place value chart to complete parts (a)–(e). Express the value of each digit in decimal form.

tens	ones	tenths	hundredths	thousandths
3	7	5	9	4

- The digit \_\_\_\_\_ is in the tenths place. It has a value of \_\_\_\_\_.
- The digit 7 is in the \_\_\_\_\_ place. It has a value of \_\_\_\_\_.
- The digit \_\_\_\_\_ is in the tens place. It has a value of \_\_\_\_\_.
- The digit \_\_\_\_\_ is in the \_\_\_\_\_ place. It has a value of 0.004.
- The digit 9 is in the \_\_\_\_\_ place. It has a value of \_\_\_\_\_.

Write the number in decimal form.

	Word Form	Decimal Form
3.	Twelve and three hundred sixty-two thousandths	
4.	Twenty-five and thirty-nine thousandths	
5.	Seventy and six hundred eight thousandths	

Write the decimal number as a mixed number. Then complete the expanded form.

	Decimal Number	Mixed Number	Expanded Form
6.	6.275		$6 + 0.2 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$
7.	13.018		$10 + \underline{\hspace{1cm}} + \frac{1}{100} + \frac{\boxed{\hspace{1cm}}}{\boxed{\hspace{1cm}}}$
8.	74.481		$7 \times 10 + 4 \times \underline{\hspace{1cm}} + 4 \times \frac{\boxed{\hspace{1cm}}}{\boxed{\hspace{1cm}}} + 8 \times \frac{\boxed{\hspace{1cm}}}{\boxed{\hspace{1cm}}} + 1 \times \frac{\boxed{\hspace{1cm}}}{\boxed{\hspace{1cm}}}$
9.	90.302		$9 \times \underline{\hspace{1cm}} + 3 \times 0.1 + 2 \times \underline{\hspace{1cm}}$

10. Represent 7.362 in expanded form in two ways.

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11. Represent 25.804 in expanded form in two ways.

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12. Mr. Evans asks his class to write  $15\frac{640}{1,000}$  in decimal form. Consider Lisa's number and Scott's number.

Lisa's Number

15.640

Scott's Number

15.64

Explain why both Lisa and Scott are correct.