What you'll learn to do: Write and identify characteristics of decimals

The price of a gallon of gasoline is written as a decimal number.

Gasoline prices change all the time. They might go down for a period of time, but then they usually rise again. One thing that stays the same is that the price is not usually a whole number. Instead, it is shown using a decimal point to describe the cost in dollars and cents. We use decimal numbers all the time, especially when dealing with money. In this section, we'll explore decimal numbers and how to perform operations using them.

Before you get started, take this readiness quiz.

readiness quiz

1)

Name the number [latex]4,926,015[/latex] in words.

Show Solution

four million, nine hundred twenty-six thousand, fifteen

If you missed this problem, review the following example.

Name the number [latex]8,165,432,098,710[/latex] in words.

Show Solution

Solution

Begin with the leftmost digit, which is [latex]8[/latex]. It is in the trillions place.	eight trillion
The next period to the right is billions.	one hundred sixty-five billion
The next period to the right is millions.	four hundred thirty-two million
The next period to the right is thousands.	ninety-eight thousand
The rightmost period shows the ones.	seven hundred ten

Putting all of the words together, we write [latex]8,165,432,098,710[/latex] as eight trillion, one hundred sixty-five billion, four hundred thirty-two million, ninety-eight thousand, seven hundred ten.

2)

Round [latex]748[/latex] to the nearest ten.

Show Solution

[latex]750[/latex]

If you missed this problem, review this video.

[Video Link](#)

3)

[See this interactive in the course material.](#)

If you missed this problem, review the video below.

[Video Link](#)

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