

The following table shows the average price per gallon of regular gasoline in U.S. cities[†], and the price index for petroleum imports to the United States[‡]. The Petroleum Import Price Index measures the change in international value of the crude petroleum that is imported to the United States. Petroleum can be refined and distilled to create a variety of fuels, including gasoline, or other industrial chemicals.

	Average Gas Price	Petroleum Import Price Index
January 2004	\$1.592	113.7
January 2005	\$1.823	141.2
January 2006	\$2.315	208.1
January 2007	\$2.274	193.5
January 2008	\$3.047	319.6
January 2009	\$1.787	143.8
January 2010	\$2.731	279.6
January 2011	\$3.091	324.7
January 2012	\$3.399	397.9
January 2013	\$3.351	371.2
January 2014	\$3.320	358.0
January 2015	\$2.110	196.0
January 2016	\$1.967	119.8

For the two consecutive years given, calculate the relative changes in gas price and petroleum import price. Which quantity had relative changes of greater magnitude from one year to the next, gas price or petroleum import price?

Make sure that you fill in each answer area before checking "How Did I Do?".

Round to the nearest hundredth of a percent.

Between 2005 and 2006, the relative change in average gas price was %, and the relative change in petroleum import price index was %, so the had a relative change of greater magnitude.

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