مسالة

لدينا المعطيات

Year	Price of hot	Quantity of	Price of	Quantity of
	dog	Hot Dogs	Hamburgers	Hamburgers
2010	\$1	100	\$2	50
2011	\$2	150	\$3	100
2012	\$3	200	\$4	150

المطلوب:

Calculating Nominal GDP

Calculating the GDP Deflator

2.....

, Calculating:

the inflation rate

Inflation rate in year 2 = <u>GDP deflator in year 2 - GDP deflator in year 1 * 100</u> GDP deflator in year 1

the GDP deflator rose in year 2011 from 100 to 171, the inflation rate?

3.....

Inflation rate in year $2 = \frac{CPI \text{ in year } 2 - CPI \text{ in year } 1}{CPI \text{ in year } 1} *100$

مسالة:

Basket = 4 hot dogs, 2 hamburgers

Year	Price of Hot Dogs	Price of Hamburgers
2010	\$ 1	\$2
2011	2	3
2012	3	4

: Compute the Cost of the Basket of Goods

2010

(\$1 per hot dog \times 4 hot dogs) + (\$2 per hamburger \times 2 hamburgers) = \$8 per basket

2011

(\$2 per hot dog \times 4 hot dogs) + (\$3 per hamburger \times 2 hamburgers) = \$14 per basket

2012

(\$3 per hot dog \times 4 hot dogs) + (\$4 per hamburger \times 2 hamburgers) = \$20 per basket

Choose One Year as a Base Year (2010) and Compute the Consumer Price Index

in Each Year

Consumer price index = Price of basket of goods and services in current year

 \times 100.

Price of basket in base year

2010	$(\$8 / \$8) \times 100 = 100$
2011	$(\$14 / \$8) \times 100 = 175$
2012	$(\$20 / \$8) \times 100 = 250$

Use the Consumer Price Index to Compute the Inflation Rate from Previous Year

2011 (175 – 100) / 100
$$\times$$
 100 = 75% 2012 (250 – 175) / 175 \times 100 = 43%



Government statistics show a consumer price index of 15.2 for 1931 and 214.5 for 2009. Salary in 1931 dollars = \$80,000 Salary in 2009 dollars?

Salary in 2009 dollars = Salary in 1931 dollars \times Price level in 2009

Price level in 1931

$$=$$
 \$80,000 \times 214.5 15.2

= \$1,128,947