

Question 1 Fill in the blanks. You must show your work.

Year	→ GNP	2014	2015
Nominal gross national income (GNI) (\$ billion)		291.53	^{1.} 425.38
Factor income sent abroad (\$ billion)		68.30	75.90
Factor income earned abroad (\$ billion)		8.13	9.49
Nominal gross domestic product (GDP) (\$ billion)		^{2.} 231.36	358.97
GDP deflator		100	100.88
Real GDP (\$ billion)		^{3.} 2.31	^{4.} 3.55

1. $GNP = GDP - [foreign\ in\ Thai + Thai\ Abroad]$

$= 358.97 - 9.49 + 75.90$

$= 425.38$

Real GDP = $\frac{nominal\ GDP}{GDP\ deflator}$

$\frac{358.97}{100}$

^{3.} $\frac{231}{100} = 2.31$

100

2. $GDP = GNP + foreign\ in\ Thai - Thai\ abroad$

$= 291.53 + 8.13 - 68.30$

$= 231.36$

^{4.} $\frac{358.97}{100.88} = 3.55$

100.88

Question 2 Fill in the blanks. You must show your work.

Year	2012	2013	2014	2015
Consumer price index (CPI)	99.08	100.55	102.51	107.52
Inflation rate (%)	-0.92	1.48	^{1.} 0.19	^{2.} 4.89
Employed (millions)	12.50	12.60	12.85	13.05
Unemployed (millions)	0.99	0.71	0.68	0.61
Population (millions)	20.75	21.48	21.82	22.02
Unemployment rate (%)	^{3.} 7.34	^{4.} 5.53	5.03	4.47

$Inflation\ rate = \frac{CPI\ this\ year - CPI\ last\ year}{CPI\ last\ year} \times 100$

$Unemployment\ rate = \frac{Unemploy}{Employ + Unemploy} \times 100$

1. $\frac{102.51 - 100.55}{100.55} \times 100 = 0.19$

^{3.} $\frac{0.99}{12.50 + 0.99} \times 100 = 7.34$

2. $\frac{107.52 - 102.51}{102.51} \times 100 = 4.89$

^{4.} $\frac{0.71}{12.60 + 0.71} \times 100 = 5.33$