







2





	Ex	ample 6		
The average hou given below.	rly earnings of produ	uction workers for Janua	ry of selected years are	
	Year	Average Hourly Earnings	]	
	1995	\$11.65	1	
	2000	14.02		
	2005 2010 (May)	16.13 19.01		
(a) Using 1995 a	s the base period ar	nd 100 as the base value	, determine the indexes	













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	Fromo	108		
	Слатр	10 0		
The prices for the site food items	fram Table		ted below in	Table 15
ne prices for the six food items	s from Table	15-2 are repea	ited below in	Table 15-
Also included is the number of	units of each	consumed by	/ a typical fai	milv in 19
Also included is the number of and 2009.	units of each	consumed by	/ a typical fa	mily in 19
Also included is the number of and 2009.	units of each	consumed by	/ a typical fa	mily in 19
Also included is the number of and 2009. "ABLE 15–3 Price and Quantity of I	units of each `ood Items in 1	consumed by 999 and 2009	/ a typical fai	mily in 19
Also included is the number of and 2009. ABLE 15–3 Price and Quantity of I	ood Items in 1	consumed by 999 and 2009 1999	2009	2009 mily in
Nso included is the number of and 2009. ABLE 15–3 Price and Quantity of I Item	ood Items in 1 1999 Price	consumed by 999 and 2009 1999 Quantity	2009 Price	2009 Quantit
Also included is the number of and 2009. ABLE 15–3 Price and Quantity of I Item Bread, white, cost per pound	ood Items in 1 1999 Price \$0.87	consumed by 999 and 2009 1999 Quantity 50	2009 Price \$1.28	2009 Quantit
Also included is the number of and 2009. ABLE 15–3 Price and Quantity of I Item Bread, white, cost per pound Eggs, dozen	units of each bood Items in 1 1999 Price \$0.87 1.05	consumed by 999 and 2009 1999 Quantity 50 26	2009 Price \$1.28 2.17	2009 Quantit 55 20
Also included is the number of and 2009. "ABLE 15–3 Price and Quantity of I Item Bread, white, cost per pound Eggs, dozen Milk, gallon, white	000 Items in 1 1999 Price \$0.87 1.05 2.94	consumed by 999 and 2009 1999 Quantity 50 26 102	2009 Price \$1.28 2.17 3.87	2009 Quantit 55 20 130
Also included is the number of and 2009. ABLE 15–3 Price and Quantity of I Item Bread, white, cost per pound Eggs, dozen Milk, gallon, white Apples, Red Delicious, 1 pound	units of each ood Items in 1 1999 Price \$0.87 1.05 2.94 0.86	consumed by 999 and 2009 1999 Quantity 50 26 102 30	2009 Price \$1.28 2.17 3.87 1.16	2009 Quantin 55 20 130 40
Also included is the number of and 2009. "ABLE 15–3 Price and Quantity of I Item Bread, white, cost per pound Eggs, dozen Milk, galion, white Apples, Red Delicious, 1 pound Orange Juice, 12 oz concentrate	units of each ood Items in 1 1999 Price \$0.87 1.05 2.94 0.86 1.75	consumed by 999 and 2009 0uantity 50 26 102 30 40	2009 Price \$1.28 2.17 3.87 1.16 2.54	2009 Quantii 55 20 130 41

	Example 8
The weighted price index for 2	009 is 137.0, found by
$P = \frac{\sum p_t q_t}{\sum p_0 q_t}$	$\frac{2}{50}(100) = \frac{\$695.72}{\$507.64}(100) = 137.0$
Based on this analysis, we increased 37.0 percent in the the simple aggregate index is th simple aggregate index, coffee index. In the Laspeyres index, th	e conclude that the price of this group of items has ten-year period. The advantage of this method over at the weight of each of the items is considered. In the had about 40 percent of the weight in determining the e item with the most weight is milk, because the prod- old is the largest.







	ŀ	Exam	ple 1	1		
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The number	of items produced by	Houghton	Products	for 1996 and	d 2009 ar	nd the whole-
sale prices f	or the two periods are	:				_
				Number 7	) was also as al	]
		Pr	ice	Number F	roaucea	
	Item Produced	Pr 1996	ice 2009	1996	2009	
	Item Produced Shear pins (box)	Pr 1996 \$ 3	ice 2009 \$4	1996 10,000	2009 9,000	-
	Item Produced Shear pins (box) Cutting compound (pound)	Pr 1996 \$ 3 1	ice 2009 \$4 5	1996 10,000 600	2009 9,000 200	-

