Year	Price X	Quantity X	Price Y	Quantity Y	Price Z	Quantity Z	Nominal GDP
1	1	100	0.5	50	0.6	10	(1x100)+(0.5x50)+(0.6x10)= 131
2	2	110	1	60	1.2	20	(2x100)+(1x50)+(1.2x10)= 304
3	4	120	2	70	2.4	30	(4x100)+(2x50)+(2.4x10)= 692
4	8	130	4	80	4.8	40	(8x100)+(4x50)+(4.8x10)= 1,552

Produced more

Nominal GDP
tells us that production
increased

If Prices rise

If Prices rise

Year	Price X	Quantity X	Price Y	Quantity Y	Price Z	Quantity Z	Nominal GDP	
1	1	100	0.5	50	0.6	10	(1x100)+(0.5x50)+(0.6x10)=	131
2	2	110	1	60	1.2	20	(2x100)+(1x50)+(1.2x10)=	304
3	4	120	2	70	2.4	30	(4x100)+(2x50)+(2.4x10)=	692
4	8	130	4	80	4.8	40	(8x100)+(4x50)+(4.8x10)=	1,552

Produced more

Nominal GDP
tells us that production
increased

If Prices rise

Year	Price X	Quantity X	Price Y	Quantity Y	Price Z	Quantity Z	Real GDP	
1	1	100	0.5	50	0.6	10	(1x100)+(0.5x50)+(0.6x10)	131
2	1	110	0.5	60	0.6	20	(1x110)+(0.5x60)+(0.6x20)	152
3	1	120	0.5	70	0.6	30	(1x120)+(0.5x70)+(0.6x30)	173
4	1	130	0.5	80	0.6	40	(1x130)+(0.5x80)+(0.6x40)	194