

Year	Books (x1)	Concerts (x2)	CDs (x3)	Memory (x4)	Book price (p1)	Concert price (p2)	CD price (p3)	Memory price (p4)	x1*p1	x2*p2	x3*p3	x4*p4	Sum of expenses
2003	120	96	400	40	12	15	1.2	35	1440	1440	480	1400	4760
2005	144	72	370	250	15	20	0.7	20	2160	1440	259	5000	8859

Expenses Index $I_M = 1.861$

2003 prices:

Books (x1)	Concerts (x2)	CDs (x3)	Memory (x4)	Book price (p1)	Concert price (p2)	CD price (p3)	Memory price (p4)	x1*p1	x2*p2	x3*p3	x4*p4	Sum of expenses
120	96	400	40	12	15	1.2	35	1440	1440	480	1400	4760
144	72	370	250	12	15	1.2	35	1728	1080	444	8750	12002

Laspeyers' Quantity Index = 2.521

2005 prices:

Books (x1)	Concerts (x2)	CDs (x3)	Memory (x4)	Book price (p1)	Concert price (p2)	CD price (p3)	Memory price (p4)	x1*p1	x2*p2	x3*p3	x4*p4	Sum of expenses
120	96	400	40	15	20	0.7	20	1800	1920	280	800	4800
144	72	370	250	15	20	0.7	20	2160	1440	259	5000	8859

Paasche's Quantity Index = 1.846

2003 quantities:

Books (x1)	Concerts (x2)	CDs (x3)	Memory (x4)	Book price (p1)	Concert price (p2)	CD price (p3)	Memory price (p4)	x1*p1	x2*p2	x3*p3	x4*p4	Sum of expenses
120	96	400	40	12	15	1.2	35	1440	1440	480	1400	4760
120	96	400	40	15	20	0.7	20	1800	1920	280	800	4800

Laspeyers' Price Index = 1.008

2005 quantities:

Books (x1)	Concerts (x2)	CDs (x3)	Memory (x4)	Book price (p1)	Concert price (p2)	CD price (p3)	Memory price (p4)	x1*p1	x2*p2	x3*p3	x4*p4	Sum of expenses
144	72	370	250	12	15	1.2	35	1728	1080	444	8750	12002
144	72	370	250	15	20	0.7	20	2160	1440	259	5000	8859

Paasche's Price Index = 0.738