






Labor (L)	TP	Change in TP	Change in L	
0	0			
10	50	50-0=50	10-0=10	50/10 = 5
20	120	120-50=70	20-10=10	70/10 = 7
30	210	210-120=90	30-20=10	90/10 = 9
40	330	330-210=120	40-30=10	120/10 = 12
50	470	470-330=140	50-40=10	140/10 = 14
60	630	630-470=160	60-50=10	160/10 = 16
70	780	780-630=150	70-60=10	150/10 = 15
80	910	910-780=130	80-70=10	130/10 = 13
90	1,020	1020-910=110	90-80=10	110/10 = 11
100	1,100	1100-1020=80	100-90=10	80/10 = 8
110	1,150	1150-1100=50	110-100=10	50/10 = 5
120	1,170	1170-1150=20	120-110=10	20/10 = 2
130	1,150	1150-1170=-20	130-120=10	- 20/10 = - 2
140	1,100	1100-1150=-50	140-130=10	- 50/10 = -5
150	1,020	1020-1100=-80	150-140=10	- 80/10 = -8
160	910	910-1020=-110	160-150=10	- 110/10 = -11
170	780	780-910=-130	170-160=10	- 130/10 = -13

Learn

Build

A black and white speech bubble with a tail pointing towards the top right. The bubble has a thick black outline and a soft grey drop shadow. Inside the bubble, the text "Labor increases by groups of 10 workers..." is written in a bold, black, sans-serif font, arranged in four lines.

**Labor  
increases by  
groups of 10  
workers...**

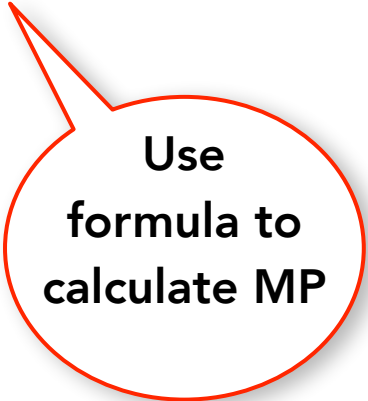












**Use  
formula to  
calculate MP**


$$MP = \frac{\Delta T P}{\Delta L}$$





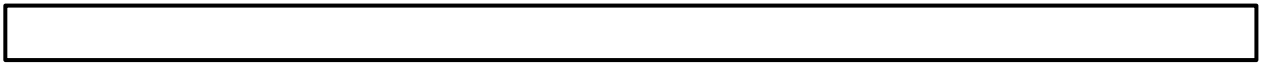






**Hiring  
these 10 workers  
(from 50 to 60)  
increase TP by  
160 units**







The **MP** of  
each one of these  
10 workers is **16**  
**units**

Labor (L)	TP	$\Delta TP$ Change in TP	$\Delta L$ Change in L	$MP = \frac{\Delta TP}{\Delta L}$
0	0			Leave Blank!
10	50	50-0=50	10-0=10	50/10 = 5
20	120	120-50=70	20-10=10	70/10 = 7
30	210	210-120=90	30-20=10	90/10 = 9
40	330	330-210=120	40-30=10	120/10 = 12
50	470	470-330=140	50-40=10	140/10 = 14
60	630	630-470=160	60-50=10	160/10 = 16
70	780	780-630=150	70-60=10	150/10 = 15
80	910	910-780=130	80-70=10	130/10 = 13
90	1,020	1020-910=110	90-80=10	110/10 = 11
100	1,100	1100-1020=80	100-90=10	80/10 = 8
110	1,150	1150-1100=50	110-100=10	50/10 = 5
120	1,170	1170-1150=20	120-110=10	20/10 = 2
130	1,150	1150-1170=-20	130-120=10	-20/10 = -2
140	1,100	1100-1150=-50	140-130=10	-50/10 = -5
150	1,020	1020-1100=-80	150-140=10	-80/10 = -8
160	910	910-1020=-110	160-150=10	-110/10 = -11
170	780	780-910=-130	170-160=10	-130/10 = -13

Labor increases by groups of 10 workers...

Use formula to calculate MP

Hiring these 10 workers (from 50 to 60) increase TP by 160 units

The MP of each one of these 10 workers is 16 units

# The Average/Marginal Rule