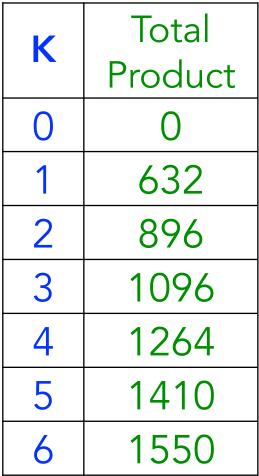
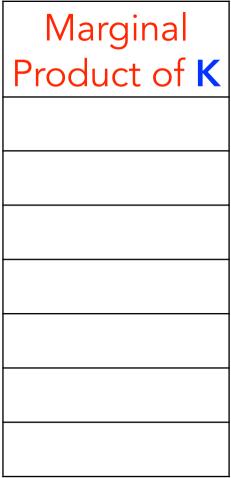
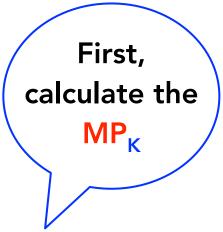
Price of output = \$30

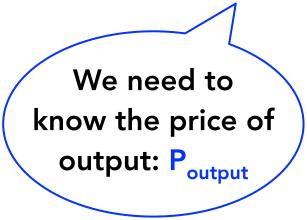
## How many machines should be purchased?





**Marginal** Product of K 





 $MRP_K = MP_K \times P_{output}$ 

## Price of output is

always given

```
Marginal
Revenue Product
MRP_{K} = MP_{K} \times P_{output}
  = 632 \times $30
 = 264 \times $30
  = 200 \times $30
  = 168 \times $30
  = 146 \times $30
  = 140 \times $30
```



Marginal Revenue Product 18,960 7.920 6,000 5,040 4,380 4,200





## How many machines should be purchased?

K	Total Product	MP <sub>K</sub>	MRP <sub>K</sub>
0	0		
1	632	632	18,960
2	896	264	7,920
3	1096	200	6,000
4	1264	168	5,040
5	1410	146	4,380
6	1550	140	4,200

Price of output = \$30

K	MP <sub>K</sub>	MRP <sub>K</sub>
0		
1	632	18,960
2	264	7,920
3	200	6,000
4	168	5,040
5	146	4,380
6	140	4,200