How many products will be made in 6 minutes = 1

" " " 1 " = $\frac{1}{6}$

" " " 420 minutes = $\frac{420}{6}$

# of products

Profit per product $\doteq$ 3

~~4 product~~

Profit on 1 product = 3

Profit on $\frac{420}{6}$ products = $\frac{3\times}{\cancel{6}}420\times\cancel{3} = \frac{\cancel{420}}{\cancel{6}}\times 3 = 210$

$\frac{420\times3}{}$

$\boxed{1260}$

560

Max

	A	B	C	D
P	210	84	120	35
Q	180	168	560	105
R	210	120	168	42
S	63	84	112	28

$\frac{420}{15}\times1$

$\frac{420}{12}\times4 = $

highest = 560

	A	B	C	D	
P	350	476	440	525	350
Q	380	392	0	455	0
R	350	440	392	518	350
S	497	476	448	532	

	A	B	C	D	
P	0	126	90	175	350
Q	380	392	0	455	0
R	0	90	42	168	350
S	(49) 49	126	(0) 0	84	448
	(0)	(28)	0	84	

	A	B	C	D
P	☐0	98	90	91
Q	380	364	☐0	371
R	✗	62	42	84
S	49	☐0	0✗	0✗

	A	B	C	D
	0	98	90	91
	380	364	0	371
	0	62	42	84
	49	0	0	0

smallest among uncovered = 62

	A	B	C	D
P	☐0	36	90	29
Q	380	302	☐0	309
R	✗0	☐0	42	22
S	111	✗0	0✗	☐0

P → A   = 210 + 560 + 120 + 28

Q → C   Profit = 918

R → B

S → D

210
560
120
28
―――
918