

## **To Answer These Questions**

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# The Horizontal Sum: Private Goods

- The demand curve for private goods is the horizontal sum of the individual demand curves.
- Because of this, individual consumers will pay the same price for a good but consume different quantities.

## The Vertical Sum: Public Goods

- The market demand curve for a public good is the vertical sum of the individual demand curves.
- Individual consumers will all consume the same amount of the good but value that amount at different prices.

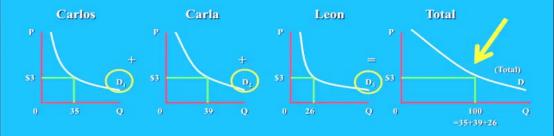
# Market demand for corn, three buyers

			以575万	Total
Price	Quantity	quantity		
Per	na la Maria	ALC: N	<b>经验</b>	demanded
bushel	Carlos	Carla	Leon	per week

\$5	10	+.	12	+	8	一	30
4	20	+	23	+	17		?
3	35	#	39	+	26		100
2	55	+	60	+	39	八声	?
1	80	+	87	+	54		221

Pause the presentation now if you want to do this exercise.







### Demand for a public good, two individuals

(1) Quantity	(2) Mr. Dov willingno to pay(p	ess	(3) Mr. Hawl willingnes to pay(pr	SS	(4) Collective willingness to pay(price)	
1	\$4	+	\$5	=	\$9	
2	3	+	4	=	7	
3	2	+	3	=	5	
4	1	+	2	=	3	
5	0	+	1	=	1	

→ Q: Can you draw the market demand curve for this public good? Just remember to sum vertically!

Pause the presentation now if you want to do this exercise.

