Goal: Understand the method of **Sealed Bids**.

- 1. Sealed bids: general idea
- Way to divide up items that cannot be subdivided house, car, fewelry, etc.
 Requires cash to balance out valuations
- 2. Steps:
 - (a) Make a list of items to be divided
 - (b) Each person puts in a sealed bid (for each item)
 - (c) Determine total bid
 - (d) Determine fair share of each person's total bid: (their total bid) / (# items) معم ه الله علم الل
 - (e) Each item is awarded to the highest bidder
 - (f) Holding pot for money:
 - if award > fair share (award fair share is positive), put in money to pot
 - if award < fair share (award fair share is negative), take **out** money from pot
 - (g) Divide remaining surplus in pot equally
- 3. Example: ITEMS: Vase, Earrings, Ice Skates. PEOPLE: Sam, Omar

	Sam	Omar
Vase	\$10	\$5
Earrings	\$4	\$15
Ice Skates	\$20	\$8
Total Bid	10+20+4=34	5+15+8= 28
Fair Share	34/2 = 17	28/2 = 14
Winning Bid / Who gets what	Vase, ice s leafes total	earrings \$15 total
(award) – (fair share)	30-17=13	15-14=1
puts in pot / gets from pot	puts h \$13	puts in \$1
total surplus	13+1 = 14	
Share of surplus	14/2 = \$7	\$7
Final Allocation	Vase, skates, \$7	earings, \$7

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Sam got \$30-13+7 = \$24 in total value

4. Same Example with different bids:

	Sam	Omar
Vase	\$10	\$5
Earrings	\$13	\$2
Ice Skates	\$20	\$8
Total Bid	\$43	\$15
Fair Share	43/2 = \$21.50	15/2 = \$7.50
Winning Bid / Who gets what	Vasc, earings, skates total = \$42	nothing!
(award) – (fair share)	43 - 21,50 = 21.50	0-7.50
puts in pot / gets from pot	puts in \$21,50	get \$7.50
total surplus	21,50 + 7,50 = 28	
Share of surplus	28/2 = 14	14
Final Allocation	Vace, earings, skotes and pays \$14,50	gets 7.50+14
	(-21.50+14)	gets $7.50 + 14$ = 28,50 (only cash!)
	= -14.50	(only cash;)