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- Q1. American and Japanese workers can each produce 4 cours a year. An american worker can produce 10 tons of goin a year, whereas a japaness worker can produce 5 tons of grain a year. To keep things simple, assume that each country has 100 million workers.
 - (a) Identify which country has an absolute advantage in producing cons? In producing grain? Which country has a comparative advantage in producing cars? In producing grain?

(5) Crash the production possibilities frontier of the American and Johannese economies.

- (c) Without toode, half of each country's workers produce cars & half produce agroin. Find out what quantities of cars and groin does each country produce?
- Ans. (a) Both countries American & Jakaness worken can each produce 4 cans a year. with same labour input. Thus, no one enjoys absolute advantage in producing cars. But when it comes to grain, american cour produce 10 tons of grain per year whereas jakaness candus 5 tons of grain per year with same input. Thus, american workers enjoy absolute advantage to a grain production.

Country. Output			Obbashinity and per unt	
Compan.		don-	can	grain.
USA	Conf	10	2.5	0.4
Julan	4	5	1.25	0.8

From table we observed Japan has comparative advantage in car production, and USA has comparative advantage in grain production over each other.

Andb)

Scale:

X+1cm = 100 million

Cars.

Y=1 cm = 200 million

The food million

T

American PPF

Ans(C)

worker.

In USA, without trade. So million, will broduce.

Can 8 so worth million will broduce grain same goes for Japan.

Japanese PPF

Country.	(negross) short tradicy		
J	(Somillion)	good M. (so million)	
USA	200 million	500 tons goin.	
Japan.	200 millión.	soo million oos	

- Qr. Suppose that there are to millions workers in Canada and that each of there workers can produce either 2 cars or 30 bushed up wheat in a year.
 - (a) What is opportunity cost of producing a car in Conada? What is the opportunity costs of producing a bushed of wheat in Conada? Explain solution-Ship between the opportunity costs of two goods.
- (5) Draw Conada's PPF. If Canada Chooses to Consume 10 million cans, how much what can it Consume without trade? (abel this point on PPF
- (c) Now Suffice that the US offers to buy to million care from Canada in Exchange of so 20 busheds. of wheat per care IB Canada continues to consume 10 million care, find out how much wheat does this deal allows Canada to consume ? Latel this point on your diagram. Should Canada accept the deal?

Ans (a)

Country.	Oppur husby cost		
	Con	bushels.	
Canada.	30 = 15	30 = 0 066	

Obbutinity and of I can 15 15 bushels of wheat 8 obbutinity wat of 1 bushel is 1/15 cans. The obbutinity was of can 8 bushels of wheat are decipocal of each of them.

