

GMAT Integrated Reasoning Practice Test

Answer the following question:

Two cities 1 and 2 currently have population 12 million and 15 million respectively. The population of city 1 increases at a constant rate of x number of persons per year and the population of city 2 also increases at a different constant rate of y number of persons per year. After five years, the population of both the cities is estimated to become equal. What should be the values of rates x and y to meet the given condition?

City 1	City 2	Rate of increase
A	G	1.3 million
B	H	1.7 million
C	I	0.7 million
D	J	0.6 million
E	K	0.3 million
F	L	0.2 million

Select one response for City 1 (A-F) and one response for City 2 (G-L)

☐ A - 1.3 Million

☐ B - 1.7 Million

☒ C - 0.7 Million

☐ D - 0.6 Million

☐ E - 0.3 Million

☐ F - 0.2 Million

☐ G - 1.3 Million

☐ H - 1.7 Million

☐ I - 0.7 Million

☐ J - 0.6 Million

☐ K - 0.3 Million

☐ L - 0.2 Million

Second Question

Answer the following question:

There are two cars 1 and 2. Car 1 has a maximum speed of 120 km/h consuming 12 liters fuel in one hour at maximum speed and car 2 has a maximum speed of 100 km/h consuming 8 liters fuel in one hour at maximum speed. Both the cars are 960 km away from each other. These cars must reach at a point in 6 hours by running towards each other. We have a limit of availability of fuel for both cars. The available amount of fuel is 84 liters. How many hours will both the cars run to meet a point in 6 hours by consuming the limited amount of 84 liters of fuel.

Car 1	Car 2	Number of Hours
A	F	6
B	G	5
C	H	4
D	I	3

E	J	2
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Select one response for Car 1 (A-E) and one response for Car 2 (F-J)

- ☐ A - 6 Hours
- ☐ B - 5 Hours
- ☐ C - 4 Hours
- ☐ D - 3 Hours
- ☐ E - 2 Hours
- ☐ F - 6 Hours
- ☐ G - 5 Hours
- ☐ H - 4 Hours
- ☐ I - 3 Hours
- ☐ J - 2 Hours

Third Question

Answer the following question:

A person requires 52 bikes in 4 months with a budget of \$25,440. He has taken offers from two companies 1 and 2. Company 1 can provide him with 8 bikes per month at the rate of \$500 per bike. Company 2 can provide him with 7 bikes per month at the rate of \$480 per bike. If the person utilizes both the offers to get 50 bikes in his budget, what will be the number of bikes that he will buy from both companies?

Company 1	Company 2	Number of Bikes
A	G	20
B	H	24
C	I	28
D	J	32

E	K	36
F	L	40

Select one response for Company 1 (A-F) and one response for Company 2 (G-L)

- ☐ A - 20 Bikes
- ☐ B - 24 Bikes
- ☐ C - 28 Bikes
- ☐ D - 32 Bikes
- ☐ E - 36 Bikes
- ☐ F - 40 Bikes
- ☐ G - 20 Bikes
- ☐ H - 24 Bikes
- ☐ I - 28 Bikes
- ☐ J - 32 Bikes
- ☐ K - 36 Bikes
- ☐ L - 40 Bikes