

a)
 The number 4 bus leaves the bus station every 20 minutes.
 The number 5 bus leaves the bus station every 16 minutes.
 Both buses leave the bus station together at 8:50.
 When is the next time that the two buses will leave the bus station together?

At which times does the number 4 bus leave the bus station?	8:50, 9:10, 9:30, 9:50, 10:10 , 10:30, 10:50, 11:10, 11:30, ...
At which times does the number 5 bus leave the bus station?	8:50, 9:06, 9:22, 9:38, 9:54, 10:10 , 10:26, 10:42, 10:58, ...
At which time do the number 4 and number 5 bus leave the bus station at the same time?	10:10

b)
 Train A leaves the station every 40 minutes.
 Train B leaves the station every 32 minutes.
 Both trains leave the station together at 11:50.
 When is the next time that the two trains will leave the station together?

At which times does train A leave the station?	11:50, 12:30, 13:10, 13:50, 14:30, 15:10, 15:50, 16:30, 17:10, ...
At which times does train B leave the station?	11:50, 12:22, 12:54, 13:26, 13:58, 14:30, 15:02, 15:34, 16:04, ...
At which time do Train A and Train B leave the station at the same time?	

c)
 A water taxi leaves the dock travelling West every 18 minutes.
 Another water taxi leaves the dock travelling East every 16 minutes.
 Both water taxis leave the dock together at 12:34.
 When is the next time that the two water taxis will leave the dock together?

At which times does the first water taxi leave the dock?	12:34, 12:52, 13:10, 13:28, 13:46, 14:04, 14:22, 14:40, 14:58, 15:14, ...
At which times does the second water taxi leave the dock?	
At which time do both water taxis leave the dock at the same time?	

d)
 A machine beeps every 24 minutes.
 The same machine flashes every 18 minutes.
 The machine beeps and flashes together at 12:25.
 When is the next time that the machine will beep and flash together?