

Answer on Question #58481 – Math – Other

Question

the traffic lights at three different road crossing change after every 48 seconds, 72 seconds and 108 seconds respectively. if the change simultaneously at 7 a.m., at what time will they change simultaneously again?

Solution

The least common multiple of 48, 72 *and* 108 is 432.

So after 432 seconds (or 7 min. 12 sec.) lights will change simultaneously again.

It will be at 7:07:12 a.m.

Answer: 7:07:12 a.m.