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Worksheet Solution-1 (14/05/2020)

Class Four

Subject Mathematics

Chapter 7

Topic Multiples

Answer 3(i):

We can find out the time by finding LCM of 9 and 12.

Multiples of 9:

9, 18, 27, 36, 45,.....

Multiples of 12:

12, 24, 36, 48, 60,.....

Therefore the LCM of 9 and 12 is 36.

So, after 36 minutes the alarms will ring together again.

Therefore the next time alarms will ring together at (3:20 + 0:36) pm

= 3: 56 pm (Answer)

Answer 3(ii):

Length of the side of the shortest square can be found by finding LCM of 14 and 10.

Multiples of 14:

14, 28, 42, 56, 70, 84, 98, 112,.....

Multiples of 10:

10, 20, 30, 40, 50, 60, 70, 80,.....

Therefore the LCM is 70.

So the length of the side of the shortest square is 70 cm. (Answer)