1. A and B can do a work in 12 days. B and C in 15 days. C and A in 20 days. If A, B and C work together, they will complete the work in:

(a) 5 days
(b) 47/5 days
(c) 10 days
(d) 47/3 days

2. A is thrice as good a workman as B and therefore, able to finish a job in 60 days less than B. Working together they will do it in:

(a) 20 days
(b) 45/2 days
(c) 25 days
(d) 30 days

3. Two pipes A and B can fill a tank in 20 minutes and 30 minutes respectively. If both pipes are opened together, the time taken to fill the tank is:

(a) 50 minutes
(b) 12 minutes
(c) 25 minutes
(d) 15 minutes

4. If 6 men and 8 boys can do a piece of work in 10 days and 266 men and 48 boys can do the same in 2 days, the time taken by 15 men and 20 boys to do the same type of work will be:

(a) 5 days
(b) 4 days
(c) 6 days
(d) 7 days

5. A and B can do a work in 18 and 24 days respectively. They worked together for 8 days and then A left. The remaining work was finished by B in:

(a) 5 days
(b) 16/3 days
(c) 8 days
(d) 10 days

6. If a man walks 20 km at 5 km/hr, he will be late by 40 minutes. If he walks at 8 km per hr, how early from the fixed time will he reach?

(a) 15 minutes
(b) 25 minutes
(c) 50 minutes
(d) 3/2 hours

7. A boy rides his bicycle 10km at an average speed of 12 km per hr and again travels 12 km at an average speed of 10 km per hr His average speed for the entire trip is approximately:

(a) 10.4km/hr
(b) 10.8 km/hr
(c) 11.0 km/hr
(d) 12.2 km/hr

8. A train 180 m long moving at the speed of 20 m/sec. overtakes a man moving at a speed of 10m/sec in the same direction. The train passes the man in

(a) 6 sec
(b) 9 sec
(c) 18 sec
(d) 27 sec

9. The distance between two cities A and B is 330 km. A train starts from A at 8 a.m. and travels towards B at 60 km/ hr Another train starts from B at 9 a.m. and travels towards A at 75 km/hr At what time do they meet?

(a) 10 a.m.
(b) 10 : 30 a.m.
(c) 11 a.m.
(d) 11 : 30 a.m.

10. In covering a certain distance, the speeds of A and B are in the ratio of 3 : 4. A takes 30 minutes more than B to reach the destination. The time taken by A to reach the destination is

(a) 1 hour
(b) 3/2 hours
(c) 2 hours
(d) 5/2 hours