IEM KOLKATA

TIME AND WORK

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Q1) A & B together can finish a certain work in 45 days. They worked on it for 35 days & then A left the work. The remaining work was done by B alone in 24 days more. In how many days can B alone finish the entire work?
(a) 96 (b) 108 (c) 102 (d) 90

Q2) A can complete a job in 15 hours, B in 20 hours & C in 30 hours. If they work together & they are paid ₹7200 for the job, then what amount would B receive?
(a) ₹1600 (b) ₹4000 (c) ₹2400 (d) ₹3200

Q3) A can do a piece of work in 12 days. B can do that same work in 16 days. They each do the work every alternate day. In how many days can A & B then complete the work?

Q4) 20 men can do a piece of work in 30 days. In how many days 75 men can do the same work?
(a) 6 (b) 8 (c) 10 (d) 12

Q5) A large tanker can be filled by two pipes A and B in 60 minutes and 40 minutes respectively. How many minutes will it take to fill the tanker from empty state if B is used for half the time and A and B fill it together for the other half?
(a) 15 min (b) 20 min (c) 27.5 min (d) 30 min

Q6) Pipes A and B can fill a tank in 5 and 6 hours respectively. Pipe C can empty it in 12 hours. If all the three pipes are opened together, then the tank will be filled in:

(a) 113/17 hours (b) 28/11 hours (c) 60/17 hours (d) 41/2 hours

Q7) A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?
(a) 12 days (b) 15 days (c) 16 days (d) 18 days

Q8) A and B complete a work in 30 days. B and C complete the same work in 24 days whereas C and A complete the same work in 28 days. Based on these statements which of the following conclusions is correct?
    (a) C is the most efficient and B is the least efficient
    (b) B is the most efficient but the least efficient one cannot be determined
    (c) C is the most efficient but the least efficient one cannot be determined
    (d) C is the most efficient and A is the least efficient