IEM KOLKATA

Time and Work

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Q1) If Varun and Raghav can do a job in 10 days and 15 days independently, how many days would they take to complete the same job working simultaneously?
(a) 6 days (b) 9 days (c) 10 days (d) 12 days

Q2) A and B could do a piece of work in 12 days and 20 days respectively. Find the number of days taken by them to complete 2/3rd of the work together (in days)
(a) 10 (b) 2 (c) 5 (d) 8

Q3) A work is completed by P and Q together in 30 days. When a third Person R joined them, then the work is completed in 18 days. In how many days, the work is completed by R alone? (in days)
(a) 25 (b) 20 (c) 45 (d) 30

Q4) A & B can do a work in 30 days. A alone can do the work in 50 days. In how many days can B alone do the work?

Q5) A, B & C can do a work in 20 days. A & B can do the work in 32 days. In how many days can C alone do the work?

Q6) 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

Q7) A and B can do a piece of work in 15 days. B and C can do the same work in 10 days and A and C can do the same work in 12 days. Time taken by A, B and C together to do the job is?
(a) 4 days (b) 9 days (c) 8 days (d) 5 days

Q8) A can complete a piece of work in 10 days, B in 15 days and C in 20 days. A and C worked together for two days and then A was replaced by B. In how many days, altogether, the work was completed?
(a) 12 days (b) 10 days (c) 6 days (d) 8 days

Q9) It takes 2 hours for Tiwari and Deo to do a job. Tiwari and Hari take 3 hours to do the same job. Deo and Hari take 6 hours to do the same job. Which of the following statements is incorrect?

(a) Tiwari alone can do this job in 3 hours

(b) Deo alone can do this job in 6 hours

(c) Hari does not work at all.

(d) Hari is the fastest worker