Job Skills PROGRAM

Time & Work (Pipes & Cisterns)-1

Example-1: **A can complete a piece of work in 10 days and B can complete the same work in 15 days. Together they will take how many days to complete the work?**

Example-2: **A and B working together can complete a piece of work in 12 days. If A alone can complete the work in 18 days find how many days B alone will take to complete the work.**

Example-3: **A,B and C can complete a piece of work in 6,8 and 12 days respectively. B and C started the work. After 2 days C left and A joined. Find the total time taken to finish the work this way.**

Example-4: **A, B and C working separately can complete a job in 12, 18 and 30 days respectively. They started working together and after completion of the work received a total sum of Rs. 620/- as wages. Find who will get how much?**

Example-5: **A tank has an inlet pipe which alone could fill the tank in 20 hours. But now the tank has developed a leak and it takes 25 hours to fill the tank. If the inlet pipe is closed when the tank is full, find how much time will pass before the tank is empty.**

Example-6: **A tank has two inlet pipes A and B which can fill the tank in 1 hour and 75 minutes respectively. Outlet pipe C alone can empty the tank in 50 minutes. If all the 3 pipes are opened simultaneously when the tank is empty, find how much time will it take before the tank is full.**

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Example-7: **Working alone A can complete a piece of work in 21 days. B who is 40% more efficient than A will finish the same work in how many days?**

Example-8: **If 8 men can reap 80 hectares in 24 days, how many hectares will 36 men reap in 30 days?**

Example-9: **If 3 Men or 5 women can complete a piece of work in 26days, 7 men and 10 women will finish the same work in how many days?**

Example-10: **2 Men and 7 women can finish a job in 14 days. 3 men and 8 women can finish the same job in 11 days. 8 men and 6 women will take how much time to finish the same work?**

Example-11: **10 men can complete a piece of work in 20 days. 5 men started the work and worked for 5 days. How many more men should join them now so that the work is finished in a total of 12 days?**

Example-12: **A and B can complete a piece of work in 12 days and 18 days respectively. How much time will it take to complete the work if they work on alternate days with**

(a) **A starting**

(b) **B starting**