



spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



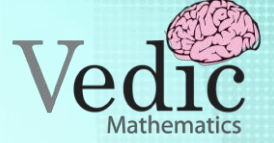
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1) Pipe A can fill the tank 3 times faster in comparison to pipe B. It takes 36 minutes for pipe A and B to fill the tank together. How much time will pipe B alone take to fill the tank?

- a) 100 minutes      b) 124 minutes  
c) 134 minutes      d) 144 minutes  
e) 154 minutes

2) 20 buckets can fill a tank when the capacity of each bucket is 12 liters. If the capacity of each bucket is 10 liters, find the number of buckets required to fill the tank.

- a) 30 buckets      b) 34 buckets  
c) 24 buckets      d) 27 buckets

3) If  $\frac{3}{5}$  th of a cistern is filled in 1 minute, the time needed to fill the rest is

- a) 36 sec      b) 40 sec  
c) 24 sec      d) 30 sec

4) There are two pumps to fill a tank with water. First pump can fill the empty tank in 8 hours, while the second in 10 hours. If both the pumps are opened at the same time and kept open for 4 hours, the part of tank that will be filled up is :

- a)  $\frac{2}{5}$       b)  $\frac{9}{10}$   
c)  $\frac{1}{54}$       d)  $\frac{1}{10}$

5) Pipes P and Q can fill a tank in 10 and 12 hours respectively and C can empty it in 6 hours. If all the three are opened at 7 a.m., at what time will one-fourth of the tank be filled?

- a) 11 p.m.      b) 10 a.m.  
c) 11 a.m.      d) 10 p.m.

6)  $\frac{3}{4}$  part of a tank is full of water. When 30 liters of water is taken out, the tank becomes empty. The capacity of the tank is

- a) 40 liters      b) 36 liters

c) 38 liters

d) 42 liters

7) Three pipes A, B and C can fill a tank in 6 hours, 9 hours and 12 hours respectively. B and C are opened for half an hour, then A is also opened. The time taken by the three pipes together to fill the remaining part of the tank is

- a)  $2\frac{1}{2}$  hours      b) 3 hours  
c)  $3\frac{1}{2}$  hours      d) 2 hours

8) If  $\frac{1}{3}$  of a tank holds 80 liters of water, then the quantity of water that  $\frac{1}{2}$  tank holds is :

- a)  $\frac{80}{3}$  liters      b) 240 liters  
c) 100 liters      d) 120 liters

9) A tap can fill an empty tank in 12 hours and another tap can empty half the tank in 10 hours. If both the taps are opened simultaneously, how long would it take for the empty tank to be filled to half its capacity ?

- a) 15 hours      b) 30 hours  
c) 12 hours      d) 20 hours

10) A cistern has two pipes. One can fill it with water in 8 hours and other can empty it in 5 hours. In how many hours will the cistern be emptied if both the pipes are opened together when  $\frac{3}{4}$  of the cistern is already full of water ?

- a) 6 hours      b)  $13\frac{1}{3}$  hours  
c)  $3\frac{1}{3}$  hours      d) 10 hours

