

Pipe A can fill a tank in 4 hr and pipe B can empty the full tank in

- 1. 24 hr. If both the pipes are opened together, in how much time will the tank become full?
 - (i) $5\frac{1}{3}$ hr (ii) $4\frac{2}{5}$ hr (iii) $4\frac{4}{5}$ hr (iv) $5\frac{1}{5}$ hr (v) $4\frac{4}{7}$ hr

Two pipes can fill a tank in 10 min and 15 min respectively. Both pipes are

opened together and after some time the first pipe is closed and the tank 2.

becomes full in $13\frac{1}{2}$ min from the time when both pipes are opened. For how much time was first pipe open?

(i) 4min (ii) 2min (iii) 0min (iv) 1min (v) -1min

Due to a leak at the bottom, pipe Y takes 6 hr to fill the tank.

The leak alone can empty the full tank in 12 hr.
 In what time can pipe Y alone fill the tank when the leak is closed?

(i) 5hr (ii) 2hr (iii) 4hr (iv) 3hr (v) 6hr

Pipe A can fill a tank in 8 hr and pipe B can empty the full tank in

4. 40 hr. If both the pipes are opened together, in how much time will the tank become full?

(i) 9hr (ii) 12hr (iii) 10hr (iv) 11hr (v) 8hr

Two pipes can fill a tank in 15 min and 22 min respectively. Both pipes are

opened together and after some time the first pipe is closed and the tank 5.

becomes full in $16\frac{2}{15}$ min from the time when both pipes are opened. For how much time was first pipe open?

(i) 5min (ii) 2min (iii) 3min (iv) 4min (v) 7min

Due to a leak at the bottom, pipe Y takes8hr to fill the tank.

6. The leak alone can empty the full tank in 24 hr.

In what time can pipe Y alone fill the tank when the leak is closed?

(i) 8hr (ii) 5hr (iii) 7hr (iv) 6hr (v) 3hr

Pipe A can fill a tank in 6 hr and pipe B can empty the full tank in

 36 hr . If both the pipes are opened together, in how much time will the tank become full?

(i)
$$7\frac{1}{3}$$
 hr (ii) $7\frac{1}{7}$ hr (iii) $6\frac{4}{5}$ hr (iv) $7\frac{3}{5}$ hr (v) $7\frac{1}{5}$ hr

8. Two pipes can fill a tank in 9 min and 15 min respectively. Both pipes are opened together and after some time the first pipe is closed and the tank becomes full in 8 1/3 min from the time when both pipes are opened. For how much time was first pipe open?
(i) 4 min (ii) 5 min (iii) 2 min (iv) 6 min (v) 3 min
9. Due to a leak at the bottom, pipe Y takes 10 2/3 hr to fill the tank.
9. The leak alone can empty the full tank in 32 hr. In what time can pipe Y alone fill the tank when the leak is closed?
(i) 9 hr (ii) 8 hr (iii) 10 hr (iv) 6 hr (v) 7 hr
Pipe A can fill a tank in 5 hr and pipe B can empty the full tank in

10. 30 hr. If both the pipes are opened together,

in how much time will the tank become full?

(i) 5hr (ii) 7hr (iii) 6hr (iv) 9hr (v) 3hr

6) (iv)	

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