

Time and work questions with answers

15 exam-shaped questions with full worked solutions.

For IBPS · SBI · SSC · Railway quant.

Free, share it forward. Every question in this set was generated and verified by the ComputePrep engine — the same one behind the free daily timed drill at **computeprep.com**.

The questions

Work them on paper first. Full solutions start after question 15 — the numbering matches.

QUESTION 1

In how many hours will the tank be full?

An inlet pipe fills a tank in 20 hours; an outlet pipe empties the full tank in 30 hours. Both pipes are opened together on an empty tank.

- A. 69
 - B. 12
 - C. 60
 - D. 50
 - E. 65
-

QUESTION 2

In how many hours will the tank be full?

An inlet pipe fills a tank in 20 hours; an outlet pipe empties the full tank in 30 hours. Both pipes are opened together on an empty tank.

- A. 12
 - B. 60
 - C. 67
 - D. 74
 - E. 70
-

QUESTION 3

In how many hours will the tank be full?

An inlet pipe fills a tank in 15 hours; an outlet pipe empties the full tank in 30 hours. Both pipes are opened together on an empty tank.

- A. 21
 - B. 30
 - C. 15
 - D. 10
 - E. 22
-

QUESTION 4

Working together, in how many days will Deepak and Latha finish it?

Deepak is 2 times as efficient as Latha. Latha alone can finish the work in 12 days.

- A. 6
 - B. 2
 - C. 4
 - D. 3
 - E. 24
-

QUESTION 5

Working together, in how many days will they finish it?

Faiz can complete a piece of work in 10 days. Nandini can complete the same work in 15 days.

- A. 13
 - B. 10
 - C. 25
 - D. 5
 - E. 6
-

QUESTION 6

In how many days will Meera finish the remaining work?

Karan can finish a job in 8 days and Meera can finish it in 24 days. Karan works alone for 3 days, then leaves.

- A. 15
 - B. 6
 - C. 5
 - D. 22
 - E. 24
-

QUESTION 7

Working together, in how many days will they finish it?

Anil can complete a piece of work in 16 days. Bhavna can complete the same work in 48 days.

- A. 32
 - B. 11
 - C. 10
 - D. 12
 - E. 64
-

QUESTION 8

In how many hours will the tank be full?

An inlet pipe fills a tank in 20 hours; an outlet pipe empties the full tank in 30 hours. Both pipes are opened together on an empty tank.

- A. 50
 - B. 60
 - C. 75
 - D. 12
 - E. 72
-

QUESTION 9

Working together, in how many days will they finish it?

Faiz can complete a piece of work in 14 days. Nandini can complete the same work in 35 days.

- A. 40
 - B. 25
 - C. 10
 - D. 4
 - E. 49
-

QUESTION 10

Working together, in how many days will they finish it?

Anil can complete a piece of work in 18 days. Bhavna can complete the same work in 9 days.

- A. 6
 - B. 1
 - C. 27
 - D. 14
 - E. 0
-

QUESTION 11

Working together, in how many days will they finish it?

Faiz can complete a piece of work in 12 days. Nandini can complete the same work in 36 days.

- A. 9
 - B. 48
 - C. 12
 - D. 24
 - E. 4
-

QUESTION 12

In how many days will Latha finish the remaining work?

Deepak can finish a job in 9 days and Latha can finish it in 18 days. Deepak works alone for 4 days, then leaves.

- A. 40
 - B. 18
 - C. 6
 - D. 5
 - E. 10
-

QUESTION 13

Working together, in how many days will they finish it?

Karan can complete a piece of work in 20 days. Meera can complete the same work in 5 days.

- A. 3
 - B. 1
 - C. 4
 - D. 25
 - E. 0
-

QUESTION 14

Working together, in how many days will they finish it?

Karan can complete a piece of work in 9 days. Meera can complete the same work in 18 days.

- A. 4
 - B. 6
 - C. 9
 - D. 14
 - E. 27
-

QUESTION 15

Working together, in how many days will they finish it?

Ravi can complete a piece of work in 10 days. Sunita can complete the same work in 15 days.

- A. 25
 - B. 13
 - C. 5
 - D. 3
 - E. 6
-

Answers and worked solutions

Each walkthrough is the engine's own elimination order, step for step — not a reconstruction written after the fact.

SOLUTION 1

Answer: **60**

1. Take the tank as 60 units, so the inlet adds 3/hour and the outlet removes 2/hour.
 2. Net inflow = $3 - 2 = 1$ units/hour — an outlet SUBTRACTS.
 3. Time = $60 \div 1 = 60$ hours.
 4. Answer: 60 hours.
-

SOLUTION 2

Answer: **60**

1. Take the tank as 60 units, so the inlet adds 3/hour and the outlet removes 2/hour.
 2. Net inflow = $3 - 2 = 1$ units/hour — an outlet SUBTRACTS.
 3. Time = $60 \div 1 = 60$ hours.
 4. Answer: 60 hours.
-

SOLUTION 3

Answer: **30**

1. Take the tank as 30 units, so the inlet adds 2/hour and the outlet removes 1/hour.
 2. Net inflow = $2 - 1 = 1$ units/hour — an outlet SUBTRACTS.
 3. Time = $30 \div 1 = 30$ hours.
 4. Answer: 30 hours.
-

SOLUTION 4

Answer: **4**

1. $2\times$ the efficiency means $2\times$ the work per day, so Deepak needs $12 \div 2 = 6$ days alone.
 2. Per day: Latha does $1/12$, Deepak does $1/6$ — together $3/12$ of the job.
 3. So the job takes $12 \div 3 = 4$ days.
 4. Answer: 4 days.
-

SOLUTION 5

Answer: **6**

1. Take the total work as 30 units (the LCM of 10 and 15).
 2. Faiz does 3 units/day, Nandini does 2 units/day — add the RATES, never the days.
 3. Together they do 5 units/day, so the job takes $30 \div 5 = 6$ days.
 4. Answer: 6 days.
-

SOLUTION 6

Answer: **15**

1. Take the total work as 24 units, so Karan does 3/day and Meera does 1/day.
2. Karan completes $3 \times 3 = 9$ units, leaving $24 - 9 = 15$ units.
3. Meera needs $15 \div 1 = 15$ days.
4. Answer: 15 days.

SOLUTION 7

Answer: **12**

1. Take the total work as 48 units (the LCM of 16 and 48).
 2. Anil does 3 units/day, Bhavna does 1 units/day — add the RATES, never the days.
 3. Together they do 4 units/day, so the job takes $48 \div 4 = 12$ days.
 4. Answer: 12 days.
-

SOLUTION 8

Answer: **60**

1. Take the tank as 60 units, so the inlet adds 3/hour and the outlet removes 2/hour.
 2. Net inflow = $3 - 2 = 1$ units/hour — an outlet SUBTRACTS.
 3. Time = $60 \div 1 = 60$ hours.
 4. Answer: 60 hours.
-

SOLUTION 9

Answer: **10**

1. Take the total work as 70 units (the LCM of 14 and 35).
 2. Faiz does 5 units/day, Nandini does 2 units/day — add the RATES, never the days.
 3. Together they do 7 units/day, so the job takes $70 \div 7 = 10$ days.
 4. Answer: 10 days.
-

SOLUTION 10

Answer: **6**

1. Take the total work as 18 units (the LCM of 18 and 9).
 2. Anil does 1 units/day, Bhavna does 2 units/day — add the RATES, never the days.
 3. Together they do 3 units/day, so the job takes $18 \div 3 = 6$ days.
 4. Answer: 6 days.
-

SOLUTION 11

Answer: **9**

1. Take the total work as 36 units (the LCM of 12 and 36).
 2. Faiz does 3 units/day, Nandini does 1 units/day — add the RATES, never the days.
 3. Together they do 4 units/day, so the job takes $36 \div 4 = 9$ days.
 4. Answer: 9 days.
-

SOLUTION 12

Answer: **10**

1. Take the total work as 18 units, so Deepak does 2/day and Latha does 1/day.
 2. Deepak completes $2 \times 4 = 8$ units, leaving $18 - 8 = 10$ units.
 3. Latha needs $10 \div 1 = 10$ days.
 4. Answer: 10 days.
-

SOLUTION 13

Answer: **4**

1. Take the total work as 20 units (the LCM of 20 and 5).
2. Karan does 1 units/day, Meera does 4 units/day — add the RATES, never the days.
3. Together they do 5 units/day, so the job takes $20 \div 5 = 4$ days.
4. Answer: 4 days.

SOLUTION 14

Answer: **6**

1. Take the total work as 18 units (the LCM of 9 and 18).
 2. Karan does 2 units/day, Meera does 1 units/day — add the RATES, never the days.
 3. Together they do 3 units/day, so the job takes $18 \div 3 = 6$ days.
 4. Answer: 6 days.
-

SOLUTION 15

Answer: **6**

1. Take the total work as 30 units (the LCM of 10 and 15).
 2. Ravi does 3 units/day, Sunita does 2 units/day — add the RATES, never the days.
 3. Together they do 5 units/day, so the job takes $30 \div 5 = 6$ days.
 4. Answer: 6 days.
-

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