

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. 3
 - B. 1
 - C. 24
 - D. 6
 - E. 4
-

QUESTION 5

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

Karan can complete a piece of work in 30 days. Meera can complete the same work in 20 days.

- A. 52
 - B. 50
 - C. 10
 - D. 12
 - E. 25
-

QUESTION 6

In how many days will Shalini finish the remaining work?

Imran can finish a job in 6 days and Shalini can finish it in 12 days. Imran works alone for 2 days, then leaves.

- A. 12
 - B. 20
 - C. 9
 - D. 8
 - E. 16
-

QUESTION 7

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. 50
 - C. 71
 - D. 60
 - E. 10
-

QUESTION 8

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

Imran can complete a piece of work in 9 days. Shalini can complete the same work in 18 days.

- A. 6
 - B. 4
 - C. 27
 - D. 14
 - E. 2
-

QUESTION 9

In how many hours will the tank be full?

An inlet pipe fills a tank in 16 hours; an outlet pipe empties the full tank in 48 hours. Both pipes are opened together on an empty tank.

- A. 16
 - B. 10
 - C. 24
 - D. 54
 - E. 12
-

QUESTION 10

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

Ravi can complete a piece of work in 30 days. Sunita can complete the same work in 20 days.

- A. 12
 - B. 25
 - C. 50
 - D. 52
 - E. 30
-

QUESTION 11

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

Karan can complete a piece of work in 16 days. Meera can complete the same work in 48 days.

- A. 32
 - B. 64
 - C. 16
 - D. 11
 - E. 12
-

QUESTION 12

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

Ravi can complete a piece of work in 24 days. Sunita can complete the same work in 8 days.

- A. 24
 - B. 6
 - C. 32
 - D. 4
 - E. 16
-

QUESTION 13

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

Deepak can complete a piece of work in 15 days. Latha can complete the same work in 30 days.

- A. 15
 - B. 45
 - C. 10
 - D. 40
 - E. 23
-

QUESTION 14

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. 12
 - C. 60
 - D. 72
 - E. 62
-

QUESTION 15

Working together, in how many days will Anil and Bhavna finish it?

Anil is 3 times as efficient as Bhavna. Bhavna alone can finish the work in 24 days.

- A. 3
 - B. 6
 - C. 1
 - D. 8
 - E. 2
-

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: **12**

1. Take the total work as 60 units (the LCM of 30 and 20).
 2. Karan does 2 units/day, Meera does 3 units/day — add the RATES, never the days.
 3. Together they do 5 units/day, so the job takes $60 \div 5 = 12$ days.
 4. Answer: 12 days.
-

SOLUTION 6

Answer: **8**

1. Take the total work as 12 units, so Imran does 2/day and Shalini does 1/day.
2. Imran completes $2 \times 2 = 4$ units, leaving $12 - 4 = 8$ units.
3. Shalini needs $8 \div 1 = 8$ days.
4. Answer: 8 days.

SOLUTION 7

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 8

Answer: **6**

1. Take the total work as 18 units (the LCM of 9 and 18).
 2. Imran does 2 units/day, Shalini 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 9

Answer: **24**

1. Take the tank as 48 units, so the inlet adds 3/hour and the outlet removes 1/hour.
 2. Net inflow = $3 - 1 = 2$ units/hour — an outlet SUBTRACTS.
 3. Time = $48 \div 2 = 24$ hours.
 4. Answer: 24 hours.
-

SOLUTION 10

Answer: **12**

1. Take the total work as 60 units (the LCM of 30 and 20).
 2. Ravi does 2 units/day, Sunita does 3 units/day — add the RATES, never the days.
 3. Together they do 5 units/day, so the job takes $60 \div 5 = 12$ days.
 4. Answer: 12 days.
-

SOLUTION 11

Answer: **12**

1. Take the total work as 48 units (the LCM of 16 and 48).
 2. Karan does 3 units/day, Meera 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 12

Answer: **6**

1. Take the total work as 24 units (the LCM of 24 and 8).
 2. Ravi does 1 units/day, Sunita does 3 units/day — add the RATES, never the days.
 3. Together they do 4 units/day, so the job takes $24 \div 4 = 6$ days.
 4. Answer: 6 days.
-

SOLUTION 13

Answer: **10**

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

SOLUTION 14

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 15

Answer: **6**

1. $3\times$ the efficiency means $3\times$ the work per day, so Anil needs $24 \div 3 = 8$ days alone.
 2. Per day: Bhayna does $1/24$, Anil does $1/8$ — together $4/24$ of the job.
 3. So the job takes $24 \div 4 = 6$ days.
 4. Answer: 6 days.
-

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