ComputePrep

Speed distance and time 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

How far does it travel?

A train runs at a steady 72 km/h for 4 hours.

A. 288
B. 72
C. 283
D. 76
E. 18

QUESTION 2

How far does it travel?

A train runs at a steady 30 km/h for 5 hours.

A. 156
B. 150
C. 180
D. 157
E. 35

QUESTION 3

How long does the journey take?

A train covers 640 km at a steady 80 km/h.

A. 9
B. 16
C. 560
D. 8
E. 80

QUESTION 4

How far does it travel?

A train runs at a steady 30 km/h for 8 hours.

A. 270
B. 240
C. 38
D. 252
E. 243

QUESTION 5

How far does it travel?

A train runs at a steady 30 km/h for 5 hours.

A. 6
B. 180
C. 150
D. 35
E. 30

QUESTION 6

What is its average speed for the whole journey?

A car covers a certain distance at 20 km/h and returns along the same route at 60 km/h.

A. 30
B. 80
C. 19
D. 40
E. 15

QUESTION 7

How long does the journey take?

A train covers 280 km at a steady 40 km/h.

A. 40
B. 14
C. 7
D. 8
E. 240

QUESTION 8

How long does the journey take?

A train covers 360 km at a steady 40 km/h.

A. 9
B. 2
C. 320
D. 0
E. 7

QUESTION 9

What is its average speed for the whole journey?

A car covers a certain distance at 10 km/h and returns along the same route at 40 km/h.

A. 16
B. 30
C. 50
D. 26
E. 25

QUESTION 10

How long does the journey take?

A train covers 80 km at a steady 40 km/h.

A. 2
B. 5
C. 0
D. 1
E. 40

QUESTION 11

How long does the journey take?

A train covers 90 km at a steady 30 km/h.

A. 4
B. 3
C. 30
D. 6
E. 60

QUESTION 12

What is its average speed for the whole journey?

A car covers a certain distance at 20 km/h and returns along the same route at 60 km/h.

A. 22
B. 21
C. 30
D. 16
E. 40

QUESTION 13

How long does the journey take?

A train covers 216 km at a steady 72 km/h.

A. 1
B. 144
C. 2
D. 3
E. 0

QUESTION 14

How far does it travel?

A train runs at a steady 30 km/h for 9 hours.

A. 3
B. 30
C. 300
D. 39
E. 270

QUESTION 15

How far does it travel?

A train runs at a steady 50 km/h for 5 hours.

A. 10

B. 250

C. 300

D. 55

E. 263

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: **288**

1. Distance = speed × time = 72 × 4 = 288 km.
2. Answer: 288 km.

SOLUTION 2

Answer: **150**

1. Distance = speed × time = 30 × 5 = 150 km.
2. Answer: 150 km.

SOLUTION 3

Answer: **8**

1. Time = distance ÷ speed = 640 ÷ 80 = 8 hours.
2. Answer: 8 hours.

SOLUTION 4

Answer: **240**

1. Distance = speed × time = 30 × 8 = 240 km.
2. Answer: 240 km.

SOLUTION 5

Answer: **150**

1. Distance = speed × time = 30 × 5 = 150 km.
2. Answer: 150 km.

SOLUTION 6

Answer: **30**

1. Equal distances, different speeds — the average is HARMONIC, not the plain mean.
2. Average = 2 × 20 × 60 ÷ (20 + 60) = 2400 ÷ 80 = 30 km/h.
3. The tempting 40 km/h is wrong: more time is spent on the slower leg.
4. Answer: 30 km/h.

SOLUTION 7

Answer: **7**

1. Time = distance ÷ speed = 280 ÷ 40 = 7 hours.
2. Answer: 7 hours.

SOLUTION 8

Answer: **9**

1. Time = distance ÷ speed = 360 ÷ 40 = 9 hours.
2. Answer: 9 hours.

SOLUTION 9

Answer: **16**

1. Equal distances, different speeds — the average is HARMONIC, not the plain mean.
2. Average = 2 × 10 × 40 ÷ (10 + 40) = 800 ÷ 50 = 16 km/h.
3. The tempting 25 km/h is wrong: more time is spent on the slower leg.
4. Answer: 16 km/h.

SOLUTION 10

Answer: **2**

1. Time = distance ÷ speed = 80 ÷ 40 = 2 hours.
2. Answer: 2 hours.

SOLUTION 11

Answer: **3**

1. Time = distance ÷ speed = 90 ÷ 30 = 3 hours.
2. Answer: 3 hours.

SOLUTION 12

Answer: **30**

1. Equal distances, different speeds — the average is HARMONIC, not the plain mean.
2. Average = 2 × 20 × 60 ÷ (20 + 60) = 2400 ÷ 80 = 30 km/h.
3. The tempting 40 km/h is wrong: more time is spent on the slower leg.
4. Answer: 30 km/h.

SOLUTION 13

Answer: **3**

1. Time = distance ÷ speed = 216 ÷ 72 = 3 hours.
2. Answer: 3 hours.

SOLUTION 14

Answer: **270**

1. Distance = speed × time = 30 × 9 = 270 km.
2. Answer: 270 km.

SOLUTION 15

Answer: **250**

1. Distance = speed × time = 50 × 5 = 250 km.
2. Answer: 250 km.

One round a day beats one set a month.

A worked set teaches the shape; a clock teaches the speed. ComputePrep serves a free timed round every day, with a streak, a leaderboard and the full walkthrough after every round.

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