

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. 278
 - B. 282
 - C. 288
 - D. 360
 - E. 216
-

QUESTION 2

How long does the journey take?

A train covers 200 km at a steady 40 km/h.

- A. 2
 - B. 3
 - C. 4
 - D. 10
 - E. 5
-

QUESTION 3

How long does the journey take?

A train covers 210 km at a steady 30 km/h.

- A. 6
 - B. 7
 - C. 4
 - D. 14
 - E. 3
-

QUESTION 4

How long does the journey take?

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

- A. 6
 - B. 4
 - C. 8
 - D. 5
 - E. 3
-

QUESTION 5

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. 25
 - B. 40
 - C. 23
 - D. 30
 - E. 27
-

QUESTION 6

How long does the journey take?

A train covers 320 km at a steady 80 km/h.

- A. 5
 - B. 6
 - C. 3
 - D. 4
 - E. 8
-

QUESTION 7

How far does it travel?

A train runs at a steady 30 km/h for 2 hours.

- A. 65
 - B. 60
 - C. 68
 - D. 75
 - E. 90
-

QUESTION 8

How long does the journey take?

A train covers 315 km at a steady 45 km/h.

- A. 6
 - B. 7
 - C. 8
 - D. 9
 - E. 14
-

QUESTION 9

What is its average speed for the whole journey?

A car covers a certain distance at 12 km/h and returns along the same route at 36 km/h.

- A. 18
 - B. 10
 - C. 28
 - D. 24
 - E. 17
-

QUESTION 10

What is its average speed for the whole journey?

A car covers a certain distance at 30 km/h and returns along the same route at 70 km/h.

- A. 42
 - B. 12
 - C. 100
 - D. 51
 - E. 50
-

QUESTION 11

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 30 km/h.

- A. 10
 - B. 26
 - C. 25
 - D. 50
 - E. 24
-

QUESTION 12

How long does the journey take?

A train covers 150 km at a steady 30 km/h.

- A. 5
 - B. 7
 - C. 10
 - D. 4
 - E. 6
-

QUESTION 13

How far does it travel?

A train runs at a steady 72 km/h for 2 hours.

- A. 104
 - B. 216
 - C. 108
 - D. 72
 - E. 144
-

QUESTION 14

How far does it travel?

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

- A. 240
 - B. 270
 - C. 180
 - D. 225
 - E. 210
-

QUESTION 15

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. 28
 - B. 26
 - C. 30
 - D. 18
 - E. 40
-

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 $\times$ time = $72 \times 4 = 288$ km.
 2. Answer: 288 km.
-

SOLUTION 2

Answer: **5**

1. Time = distance $\div$ speed = $200 \div 40 = 5$ hours.
 2. Answer: 5 hours.
-

SOLUTION 3

Answer: **7**

1. Time = distance $\div$ speed = $210 \div 30 = 7$ hours.
 2. Answer: 7 hours.
-

SOLUTION 4

Answer: **3**

1. Time = distance $\div$ speed = $216 \div 72 = 3$ hours.
 2. Answer: 3 hours.
-

SOLUTION 5

Answer: **30**

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

SOLUTION 6

Answer: **4**

1. Time = distance $\div$ speed = $320 \div 80 = 4$ hours.
 2. Answer: 4 hours.
-

SOLUTION 7

Answer: **60**

1. Distance = speed $\times$ time = $30 \times 2 = 60$ km.
 2. Answer: 60 km.
-

SOLUTION 8

Answer: **7**

1. Time = distance $\div$ speed = $315 \div 45 = 7$ hours.
2. Answer: 7 hours.

SOLUTION 9

Answer: **18**

1. Equal distances, different speeds — the average is HARMONIC, not the plain mean.
 2. $\text{Average} = 2 \times 12 \times 36 \div (12 + 36) = 864 \div 48 = 18 \text{ km/h.}$
 3. The tempting 24 km/h is wrong: more time is spent on the slower leg.
 4. Answer: 18 km/h.
-

SOLUTION 10

Answer: **42**

1. Equal distances, different speeds — the average is HARMONIC, not the plain mean.
 2. $\text{Average} = 2 \times 30 \times 70 \div (30 + 70) = 4200 \div 100 = 42 \text{ km/h.}$
 3. The tempting 50 km/h is wrong: more time is spent on the slower leg.
 4. Answer: 42 km/h.
-

SOLUTION 11

Answer: **24**

1. Equal distances, different speeds — the average is HARMONIC, not the plain mean.
 2. $\text{Average} = 2 \times 20 \times 30 \div (20 + 30) = 1200 \div 50 = 24 \text{ km/h.}$
 3. The tempting 25 km/h is wrong: more time is spent on the slower leg.
 4. Answer: 24 km/h.
-

SOLUTION 12

Answer: **5**

1. $\text{Time} = \text{distance} \div \text{speed} = 150 \div 30 = 5 \text{ hours.}$
 2. Answer: 5 hours.
-

SOLUTION 13

Answer: **144**

1. $\text{Distance} = \text{speed} \times \text{time} = 72 \times 2 = 144 \text{ km.}$
 2. Answer: 144 km.
-

SOLUTION 14

Answer: **240**

1. $\text{Distance} = \text{speed} \times \text{time} = 30 \times 8 = 240 \text{ km.}$
 2. Answer: 240 km.
-

SOLUTION 15

Answer: **30**

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

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