

Boats and streams 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 go?

A boat's speed in still water is 8 km/h and the stream flows at 3 km/h. It travels upstream for 2 hours.

- A. 22
 - B. 10
 - C. 30
 - D. 25
 - E. 16
-

QUESTION 2

How far does it go?

A boat's speed in still water is 20 km/h and the stream flows at 3 km/h. It travels upstream for 3 hours.

- A. 60
 - B. 72
 - C. 17
 - D. 69
 - E. 51
-

QUESTION 3

How far does it go?

A boat's speed in still water is 14 km/h and the stream flows at 4 km/h. It travels downstream for 4 hours.

- A. 56
 - B. 76
 - C. 40
 - D. 72
 - E. 18
-

QUESTION 4

How far does it go?

A boat's speed in still water is 4 km/h and the stream flows at 1 km/h. It travels downstream for 5 hours.

- A. 15
 - B. 32
 - C. 34
 - D. 26
 - E. 25
-

QUESTION 5

What is the speed of the boat in still water?

A boat travels downstream at 19 km/h and upstream at 9 km/h.

- A. 14
 - B. 54
 - C. 28
 - D. 22
 - E. 5
-

QUESTION 6

What is the speed of the boat in still water?

A boat travels downstream at 40 km/h and upstream at 16 km/h.

- A. 68
 - B. 28
 - C. 12
 - D. 24
 - E. 14
-

QUESTION 7

How far does it go?

A boat's speed in still water is 15 km/h and the stream flows at 6 km/h. It travels upstream for 4 hours.

- A. 90
 - B. 60
 - C. 84
 - D. 36
 - E. 9
-

QUESTION 8

How far does it go?

A boat's speed in still water is 14 km/h and the stream flows at 3 km/h. It travels upstream for 2 hours.

- A. 28
 - B. 37
 - C. 22
 - D. 52
 - E. 34
-

QUESTION 9

What is the speed of the boat in still water?

A boat travels downstream at 12 km/h and upstream at 8 km/h.

- A. 20
 - B. 5
 - C. 2
 - D. 10
 - E. 4
-

QUESTION 10

What is the speed of the boat in still water?

A boat travels downstream at 19 km/h and upstream at 9 km/h.

- A. 5
 - B. 15
 - C. 28
 - D. 34
 - E. 14
-

QUESTION 11

What is the speed of the boat in still water?

A boat travels downstream at 20 km/h and upstream at 16 km/h.

- A. 28
 - B. 4
 - C. 2
 - D. 36
 - E. 18
-

QUESTION 12

What is the speed of the boat in still water?

A boat travels downstream at 12 km/h and upstream at 8 km/h.

- A. 4
 - B. 40
 - C. 10
 - D. 5
 - E. 2
-

QUESTION 13

How far does it go?

A boat's speed in still water is 12 km/h and the stream flows at 5 km/h. It travels upstream for 4 hours.

- A. 7
 - B. 25
 - C. 28
 - D. 21
 - E. 68
-

QUESTION 14

How far does it go?

A boat's speed in still water is 20 km/h and the stream flows at 1 km/h. It travels downstream for 4 hours.

- A. 84
 - B. 34
 - C. 80
 - D. 76
 - E. 21
-

QUESTION 15**How far does it go?**

A boat's speed in still water is 4 km/h and the stream flows at 1 km/h. It travels downstream for 5 hours.

- A. 17
 - B. 5
 - C. 25
 - D. 15
 - E. 20
-

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: **10**

1. Upstream speed = $8 - 3 = 5$ km/h.
 2. Distance = $5 \times 2 = 10$ km — the stream must be applied before multiplying.
 3. Answer: 10 km.
-

SOLUTION 2

Answer: **51**

1. Upstream speed = $20 - 3 = 17$ km/h.
 2. Distance = $17 \times 3 = 51$ km — the stream must be applied before multiplying.
 3. Answer: 51 km.
-

SOLUTION 3

Answer: **72**

1. Downstream speed = $14 + 4 = 18$ km/h.
 2. Distance = $18 \times 4 = 72$ km — the stream must be applied before multiplying.
 3. Answer: 72 km.
-

SOLUTION 4

Answer: **25**

1. Downstream speed = $4 + 1 = 5$ km/h.
 2. Distance = $5 \times 5 = 25$ km — the stream must be applied before multiplying.
 3. Answer: 25 km.
-

SOLUTION 5

Answer: **14**

1. Downstream = boat + stream, upstream = boat – stream.
 2. Adding: boat = $(19 + 9) \div 2 = 14$ km/h. (The stream is the HALF-DIFFERENCE, 5 km/h.)
 3. Answer: 14 km/h.
-

SOLUTION 6

Answer: **28**

1. Downstream = boat + stream, upstream = boat – stream.
 2. Adding: boat = $(40 + 16) \div 2 = 28$ km/h. (The stream is the HALF-DIFFERENCE, 12 km/h.)
 3. Answer: 28 km/h.
-

SOLUTION 7

Answer: **36**

1. Upstream speed = $15 - 6 = 9$ km/h.
2. Distance = $9 \times 4 = 36$ km — the stream must be applied before multiplying.
3. Answer: 36 km.

SOLUTION 8

Answer: **22**

1. Upstream speed = $14 - 3 = 11$ km/h.
 2. Distance = $11 \times 2 = 22$ km — the stream must be applied before multiplying.
 3. Answer: 22 km.
-

SOLUTION 9

Answer: **10**

1. Downstream = boat + stream, upstream = boat – stream.
 2. Adding: boat = $(12 + 8) \div 2 = 10$ km/h. (The stream is the HALF-DIFFERENCE, 2 km/h.)
 3. Answer: 10 km/h.
-

SOLUTION 10

Answer: **14**

1. Downstream = boat + stream, upstream = boat – stream.
 2. Adding: boat = $(19 + 9) \div 2 = 14$ km/h. (The stream is the HALF-DIFFERENCE, 5 km/h.)
 3. Answer: 14 km/h.
-

SOLUTION 11

Answer: **18**

1. Downstream = boat + stream, upstream = boat – stream.
 2. Adding: boat = $(20 + 16) \div 2 = 18$ km/h. (The stream is the HALF-DIFFERENCE, 2 km/h.)
 3. Answer: 18 km/h.
-

SOLUTION 12

Answer: **10**

1. Downstream = boat + stream, upstream = boat – stream.
 2. Adding: boat = $(12 + 8) \div 2 = 10$ km/h. (The stream is the HALF-DIFFERENCE, 2 km/h.)
 3. Answer: 10 km/h.
-

SOLUTION 13

Answer: **28**

1. Upstream speed = $12 - 5 = 7$ km/h.
 2. Distance = $7 \times 4 = 28$ km — the stream must be applied before multiplying.
 3. Answer: 28 km.
-

SOLUTION 14

Answer: **84**

1. Downstream speed = $20 + 1 = 21$ km/h.
 2. Distance = $21 \times 4 = 84$ km — the stream must be applied before multiplying.
 3. Answer: 84 km.
-

SOLUTION 15

Answer: **25**

1. Downstream speed = $4 + 1 = 5$ km/h.
2. Distance = $5 \times 5 = 25$ km — the stream must be applied before multiplying.
3. Answer: 25 km.

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