

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. 20
 - B. 22
 - C. 25
 - D. 10
 - E. 16
-

QUESTION 2

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 upstream for 3 hours.

- A. 9
 - B. 12
 - C. 14
 - D. 15
 - E. 16
-

QUESTION 3

What is the speed of the boat in still water?

A boat travels downstream at 11 km/h and upstream at 9 km/h.

- A. 1
 - B. 10
 - C. 18
 - D. 20
 - E. 15
-

QUESTION 4

How far does it go?

A boat's speed in still water is 5 km/h and the stream flows at 1 km/h. It travels upstream for 2 hours.

- A. 4
 - B. 12
 - C. 13
 - D. 8
 - E. 10
-

QUESTION 5**How far does it go?**

A boat's speed in still water is 11 km/h and the stream flows at 1 km/h. It travels upstream for 3 hours.

- A. 36
 - B. 37
 - C. 70
 - D. 30
 - E. 33
-

QUESTION 6**What is the speed of the boat in still water?**

A boat travels downstream at 39 km/h and upstream at 17 km/h.

- A. 22
 - B. 14
 - C. 56
 - D. 28
 - E. 11
-

QUESTION 7**How far does it go?**

A boat's speed in still water is 10 km/h and the stream flows at 4 km/h. It travels upstream for 3 hours.

- A. 18
 - B. 68
 - C. 42
 - D. 46
 - E. 30
-

QUESTION 8**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 upstream for 2 hours.

- A. 4
 - B. 6
 - C. 8
 - D. 10
 - E. 3
-

QUESTION 9**How far does it go?**

A boat's speed in still water is 19 km/h and the stream flows at 7 km/h. It travels upstream for 6 hours.

- A. 72
 - B. 65
 - C. 156
 - D. 62
 - E. 12
-

QUESTION 10**What is the speed of the boat in still water?**

A boat travels downstream at 16 km/h and upstream at 8 km/h.

- A. 22
 - B. 12
 - C. 4
 - D. 24
 - E. 15
-

QUESTION 11**What is the speed of the boat in still water?**

A boat travels downstream at 21 km/h and upstream at 13 km/h.

- A. 8
 - B. 67
 - C. 17
 - D. 4
 - E. 34
-

QUESTION 12**How far does it go?**

A boat's speed in still water is 32 km/h and the stream flows at 1 km/h. It travels downstream for 2 hours.

- A. 67
 - B. 62
 - C. 66
 - D. 16
 - E. 64
-

QUESTION 13**How far does it go?**

A boat's speed in still water is 15 km/h and the stream flows at 4 km/h. It travels upstream for 5 hours.

- A. 75
 - B. 42
 - C. 55
 - D. 95
 - E. 11
-

QUESTION 14**How far does it go?**

A boat's speed in still water is 20 km/h and the stream flows at 7 km/h. It travels upstream for 4 hours.

- A. 80
 - B. 32
 - C. 108
 - D. 52
 - E. 115
-

QUESTION 15

What is the speed of the boat in still water?

A boat travels downstream at 23 km/h and upstream at 13 km/h.

- A. 18
 - B. 9
 - C. 10
 - D. 36
 - E. 5
-

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: **9**

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

SOLUTION 3

Answer: **10**

1. Downstream = boat + stream, upstream = boat - stream.
 2. Adding: boat = $(11 + 9) \div 2 = 10$ km/h. (The stream is the HALF-DIFFERENCE, 1 km/h.)
 3. Answer: 10 km/h.
-

SOLUTION 4

Answer: **8**

1. Upstream speed = $5 - 1 = 4$ km/h.
 2. Distance = $4 \times 2 = 8$ km — the stream must be applied before multiplying.
 3. Answer: 8 km.
-

SOLUTION 5

Answer: **30**

1. Upstream speed = $11 - 1 = 10$ km/h.
 2. Distance = $10 \times 3 = 30$ km — the stream must be applied before multiplying.
 3. Answer: 30 km.
-

SOLUTION 6

Answer: **28**

1. Downstream = boat + stream, upstream = boat - stream.
 2. Adding: boat = $(39 + 17) \div 2 = 28$ km/h. (The stream is the HALF-DIFFERENCE, 11 km/h.)
 3. Answer: 28 km/h.
-

SOLUTION 7

Answer: **18**

1. Upstream speed = $10 - 4 = 6$ km/h.
2. Distance = $6 \times 3 = 18$ km — the stream must be applied before multiplying.
3. Answer: 18 km.

SOLUTION 8

Answer: **6**

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

SOLUTION 9

Answer: **72**

1. Upstream speed = $19 - 7 = 12$ km/h.
 2. Distance = $12 \times 6 = 72$ km — the stream must be applied before multiplying.
 3. Answer: 72 km.
-

SOLUTION 10

Answer: **12**

1. Downstream = boat + stream, upstream = boat – stream.
 2. Adding: boat = $(16 + 8) \div 2 = 12$ km/h. (The stream is the HALF-DIFFERENCE, 4 km/h.)
 3. Answer: 12 km/h.
-

SOLUTION 11

Answer: **17**

1. Downstream = boat + stream, upstream = boat – stream.
 2. Adding: boat = $(21 + 13) \div 2 = 17$ km/h. (The stream is the HALF-DIFFERENCE, 4 km/h.)
 3. Answer: 17 km/h.
-

SOLUTION 12

Answer: **66**

1. Downstream speed = $32 + 1 = 33$ km/h.
 2. Distance = $33 \times 2 = 66$ km — the stream must be applied before multiplying.
 3. Answer: 66 km.
-

SOLUTION 13

Answer: **55**

1. Upstream speed = $15 - 4 = 11$ km/h.
 2. Distance = $11 \times 5 = 55$ km — the stream must be applied before multiplying.
 3. Answer: 55 km.
-

SOLUTION 14

Answer: **52**

1. Upstream speed = $20 - 7 = 13$ km/h.
 2. Distance = $13 \times 4 = 52$ km — the stream must be applied before multiplying.
 3. Answer: 52 km.
-

SOLUTION 15

Answer: **18**

1. Downstream = boat + stream, upstream = boat – stream.
2. Adding: boat = $(23 + 13) \div 2 = 18$ km/h. (The stream is the HALF-DIFFERENCE, 5 km/h.)
3. Answer: 18 km/h.

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