

EduSahara™ Learning Center Assignment

Grade : Class VIII, ICSE
Chapter : Simultaneous Linear Equations
Name : Word Problems on Simultaneous Linear Equations
Licensed To : Teachers and Students for non-commercial use

5 men and 2 women can do a piece of work in 8 days.

1. 2 men and 5 women can do the same work in 6 days.

In how many days can 2 men and 2 women complete the same work?

(i) 9 days (ii) 11 days (iii) 12 days (iv) 13 days (v) 15 days

2. A motor boat can travel at a speed of 22.68 m/sec downstream and 17.02 m/sec upstream.
What is the speed of the motor boat in still water?

(i) 20.85 m/sec (ii) 17.85 m/sec (iii) 19.85 m/sec (iv) 21.85 m/sec (v) 18.85 m/sec

3. A motor boat can travel at a speed of 21.61 m/sec downstream and 6.55 m/sec upstream.
What is the speed of the stream?

(i) 6.53 m/sec (ii) 5.53 m/sec (iii) 9.53 m/sec (iv) 7.53 m/sec (v) 8.53 m/sec

4. A motor boat can travel at a speed of 22.15 m/sec downstream and 4.47 m/sec upstream.
How much distance can the boat travel in 31.12 sec in still water?

(i) 413.21 mt (ii) 412.21 mt (iii) 414.21 mt (iv) 416.21 mt (v) 415.21 mt

5. A motor boat can travel at a speed of 32.23 m/sec downstream and 25.75 m/sec upstream.
How much time will it take to cross a distance of 409.05 mt in still water?

(i) 14.11 sec (ii) 13.11 sec (iii) 16.11 sec (iv) 15.11 sec (v) 12.11 sec

Assignment Key

- 1) (iii)
- 2) (iii)
- 3) (iv)
- 4) (iii)
- 5) (i)