

EduSahara™ Learning Center Assignment**Grade : Class IX, ICSE****Chapter : Linear Equations and Simultaneous Linear Equations****Name : Word Problems on Simultaneous Linear Equations**

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1. A motor boat can travel at a speed of 27.95 m/sec downstream and 4.23 m/sec upstream. What is the speed of the motor boat in still water?

(i) 18.09 m/sec (ii) 17.09 m/sec (iii) 15.09 m/sec (iv) 14.09 m/sec (v) 16.09 m/sec

2. A motor boat can travel at a speed of 31.80 m/sec downstream and 14.32 m/sec upstream. What is the speed of the stream?

(i) 10.74 m/sec (ii) 6.74 m/sec (iii) 8.74 m/sec (iv) 9.74 m/sec (v) 7.74 m/sec

3. A motor boat can travel at a speed of 10.20 m/sec downstream and 2.02 m/sec upstream. How much distance can the boat travel in 39.85 sec in still water?

(i) 241.48 mt (ii) 243.48 mt (iii) 242.48 mt (iv) 244.48 mt (v) 245.48 mt

3 men and 4 women can do a piece of work in 10 days.

4. 8 men and 125 women can do the same work in 2 days.

In how many days can 2 men and 4 women complete the same work?

(i) $14\frac{5}{17}$ days (ii) $14\frac{7}{19}$ days (iii) $14\frac{7}{15}$ days (iv) $14\frac{7}{17}$ days (v) $14\frac{9}{17}$ days

Assignment Key

- 1) (v)
- 2) (iii)
- 3) (ii)
- 4) (iv)