



1. A motor boat can travel at a speed of 13.19 m/sec downstream and 3.21 m/sec upstream. What is the speed of the motor boat in still water?

- (i) 8.20 m/sec (ii) 7.20 m/sec (iii) 10.20 m/sec (iv) 9.20 m/sec (v) 6.20 m/sec

2. A motor boat can travel at a speed of 16.17 m/sec downstream and 3.99 m/sec upstream. What is the speed of the stream?

- (i) 7.09 m/sec (ii) 8.09 m/sec (iii) 6.09 m/sec (iv) 5.09 m/sec (v) 4.09 m/sec

1 men and 2 women can do a piece of work in 40 days.

3. 8 men and 5 women can do the same work in 8 days.

In how many days can 4 men and 3 women complete the same work?

- (i)  $15\frac{3}{29}$  days (ii)  $15\frac{5}{31}$  days (iii)  $15\frac{7}{29}$  days (iv)  $15\frac{5}{27}$  days (v)  $15\frac{5}{29}$  days

## Assignment Key

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1) (i)

2) (iii)

3) (v)