



3 men and 2 women can do a piece of work in 10 days.

1. 8 men and 45 women can do the same work in 2 days.

In how many days can 4 men and 5 women complete the same work?

- (i)  $6\frac{2}{5}$  days (ii)  $6\frac{4}{7}$  days (iii)  $6\frac{4}{5}$  days (iv)  $7\frac{1}{5}$  days (v)  $7\frac{1}{3}$  days

2. A motor boat can travel at a speed of 8.43 m/sec downstream and 0.23 m/sec upstream. What is the speed of the motor boat in still water?

- (i) 5.33 m/sec (ii) 2.33 m/sec (iii) 6.33 m/sec (iv) 4.33 m/sec (v) 3.33 m/sec

3. A motor boat can travel at a speed of 14.69 m/sec downstream and 3.79 m/sec upstream. What is the speed of the stream?

- (i) 5.45 m/sec (ii) 3.45 m/sec (iii) 7.45 m/sec (iv) 4.45 m/sec (v) 6.45 m/sec

4. A motor boat can travel at a speed of 49.28 m/sec downstream and 2.76 m/sec upstream. How much distance can the boat travel in 19.04 sec in still water?

- (i) 494.42 m (ii) 495.42 m (iii) 497.42 m (iv) 496.42 m (v) 493.42 m

5. A motor boat can travel at a speed of 19.19 m/sec downstream and 8.71 m/sec upstream. How much time will it take to cross a distance of 275.09 m in still water?

- (i) 19.72 sec (ii) 17.72 sec (iii) 18.72 sec (iv) 21.72 sec (v) 20.72 sec

## Assignment Key

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1) (iii)

2) (iv)

3) (i)

4) (ii)

5) (i)

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