Name: Word Problems on Pair of Linear Equations

Chapter: Pair of Linear Equations in Two Variables

Grade: CBSE Grade X

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A motor boat can travel at a speed of 34.24 m/sec downstream and 2.94 m/sec upstream. What is the speed of the motor boat in still water?

(i) 17.59 m/sec (ii) 19.59 m/sec (iii) 16.59 m/sec (iv) 20.59 m/sec (v) 18.59 m/sec

A motor boat can travel at a speed of 13.92 m/sec downstream and 0.34 m/sec upstream. What is the speed of the stream?

(i) 7.79 m/sec (ii) 4.79 m/sec (iii) 6.79 m/sec (iv) 8.79 m/sec (v) 5.79 m/sec

1 men and 2 women can do a piece of work in 24 days.

3. 5 men and 2 women can do the same work in 9 days.

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

(i)  $9\frac{29}{61}$  days (ii)  $9\frac{27}{61}$  days (iii)  $9\frac{3}{7}$  days (iv)  $9\frac{27}{59}$  days (v)  $9\frac{25}{61}$  days

Assignment Key			
1) (v)	2) (iii)	3) (ii)	

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