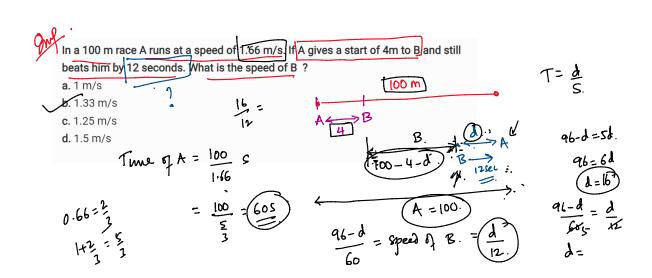
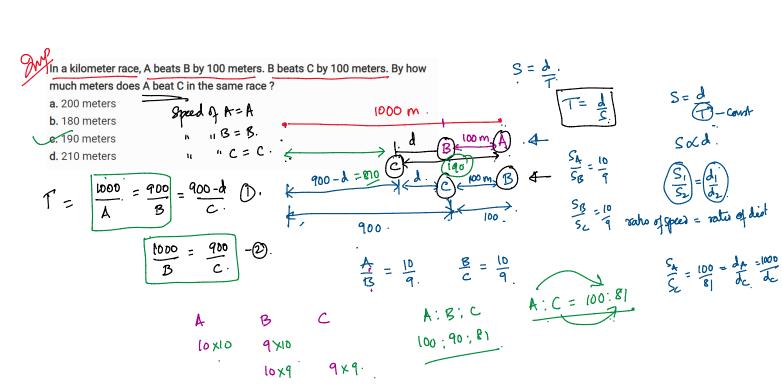
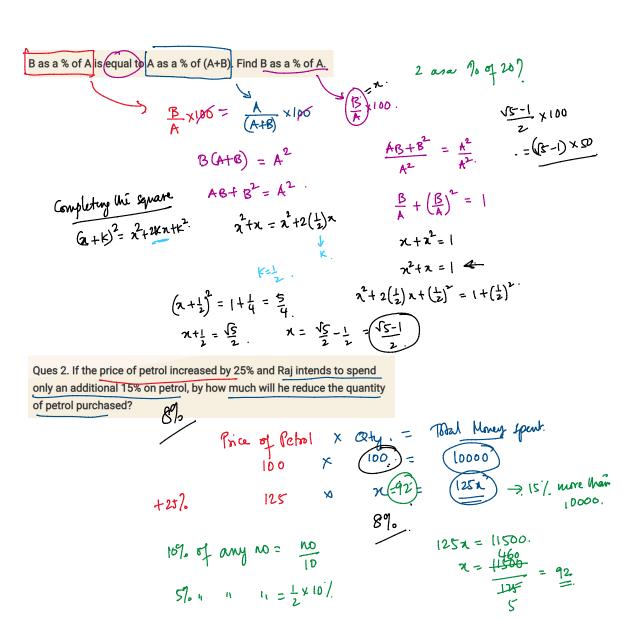


John travelled from his town to city. John went to city by bicycle at the speed of 25 km/h and came back at the speed of 4 km/h. If John took 5 hours and 48 min to complete his journey, what is the distance between town and city?

a. 15 km
b. 22 km
c. 20 km
d. 25 km 48 mm = 48 = 4 J $48 \text{$







Ques 3. A candidate who got 20% marks fails by 10 marks but another candidate who gets 42% marks get 12% more than the passing marks. Find the maximum.

3. In the following question two equations (A) and (B) given. You have to solve both:

I. $3a^2 + 17 \sqrt{3}a + 72 = 0$

II. $b^2 + 1b - 30 = 0$

A. If a= b

B. If a≤b

C. If a > b

D. If $a \ge b$

E. If a < b

1.333 + 1.25/1.333 -1.25 is nearly equal to

(a) 13

(b) 31

(c) 21

(d) 33

Out of 25/27, 19/20, 13/15, 18/19, 17/18 which is the greatest in magnitude?

(a)25/27

(b) 19/20

(c) 13/15

(d) 17/18

[4-5 + { 1-(4-3+1)}] of 100% equals

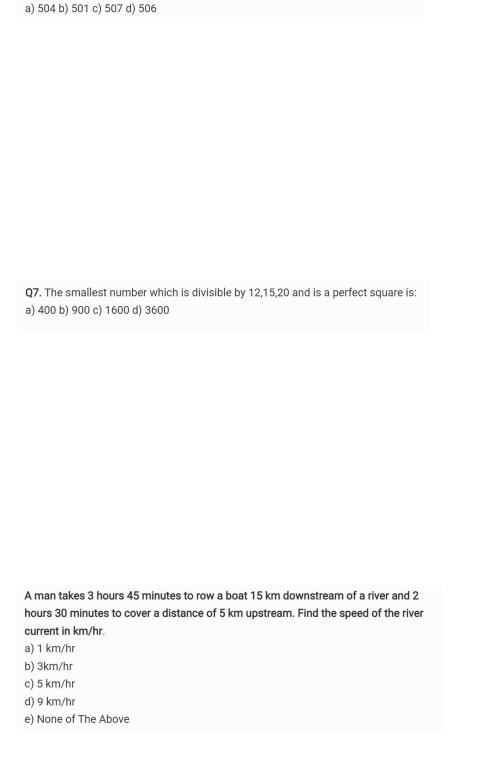
- (a) 50%
- (b) -1%
- (c) zero
- (d) 100%

 $\bf Q4.$ The ratio of two number is 5:6, if their H,C.F. is 9 and L.C.M. is 270. Find the numbers.

a) 72,63 b) 81,108 c) 45,54 d) 225,108

Q3. The L.C.M of the fraction of $^2/3,^4/9,^5/6,^7/12$ is:

a) 35 /9 b) 1 /36 c) 1 /18 d) 140 /3



Q6. Find the least number which when divided by 4,6,7,8,9,12. leaves the same

remainder 3 in each case.

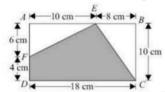
At his usual rowing rate, Rahul can travel 12 miles downstream in a certain river in 6 hours less than it takes him to travel the same distance upstream. But if he could double his usual rowing rate for his 24 mile round trip, the downstream 12 miles would then take only one hour less than the upstream 12 miles. What is the speed of the current in miles per hour?

- a) 1 (1/3)
- b) 1 (2/3)
- c) 2 (1/3)
- d) 2 (2/3)
- e) None of The Above

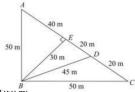
Prithviraj takes twice as long to row a distance against the stream as to row the same distance in favor of the stream. The ratio of the speed of the boat (in still water) and the stream is:

- a) 2:1
- b) 3:1
- c) 3:2
- d) 4:3
- e) None of The Above

Q5) Find the area of the shaded portion of the given figure (not drawn to scale).



Q6) The figure (not drawn to scale), shows a triangular plot of a land, ABC. AC is a straight line. Find the area of plot of land. [2017]



- a) 2750 m²
 b) 1200 m²
 c) 2000 m²
 d) 1500 m²

Q7) The given figure is formed by 2 quarter circles and the area of the shaded square is 49 cm^{2.} Find the perimeter of the figure (take π = 22/7). **[2016]**



- a) b) 108 cm c) 86 cm d) 94 cm 108 cm

Time and work

· a men and b women complete a work in or days. c ii i d " " the " " y days. In how many days will formen and of women do his work.

Work = No of peoplex no of days In work = (aM + bW) x = (cH + dW) y = (bM + qW) x N.

TON WOLL = 13MX20