

JSUNIL TUTORIAL , SAMASTIPUR

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6th Unitary methods

1. A truck runs 495 km on 36 liter petrol. How many km can it run on 35 liter petrol?
2. 12 men can reap a field in 25 days. In how many days can 20 men reap field?
3. In a camp, there were provisions for 425 men for 30 days. However, 375 men attend the camp. How many provision last?
4. If 48 boxes are needed for 6000 pens. How many boxes will be needed for 1875 pens?
5. A bus travel 36 km in $\frac{2}{3}$ hr. If it maintains a uniform speed, how long will it takes to cover 162 km? How for does it travel in 8 hrs. ?
6. 25 bags each weighting 40 kg, cost Rs 2750. Find the cost of 35 bags of wheat if each weighting 50 kg?
7. 24 workers can build a wall in 15 days. How many days will 9 workers take to build a similar wall?
8. 12 men can repair a road in 28 days. how long will 84 men take to do so?
9. 8 taps having the same rate of flow, fill a tank in 27 minutes. If two taps go out of order, how long will the remaining taps take to fill the tank?
10. 15 pumps can empty a reservoir in 24 hours. In how many hours can 45 such pumps do the same work?
11. A car can finish a certain journey in 9 hrs. The speed of 72 km/h. By how much should its speed be increased so that it may take only 8 hrs to cover the same distance?
12. A garrison of 500 men had provision for 24 days. However a reinforcement of 300 men arrived. Now for how many days the food will last?
13. 4.5g of alloy of copper and zinc contains 3.5g of copper. What weight of copper will be there in 18.9g of alloy?
14. 12 worker reap a field in 25 days. In how many days can 20 men reap field?
15. A train covers a distance of 399 km in 6 hrs. How much distance will covered in 16 hrs? Also find time taken by train to cover 1330 km?

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