

- If the cost of 1 kg of sugar is Rs 18, then what would be the cost of 3 kg sugar?  
(a) Rs. 54                      (b) Rs. 6                      (c) Rs. 18                      (d) none of these
- If the cost of 9 toys is Rs. 333, find the cost of 16 such toys.  
(a) Rs. 594                      (b) Rs. 596                      (c) Rs. 592                      (d) none of these
- If 25 metres of cloth costs of Rs. 1575, how many metres of it can be bought for Rs. 2016?  
(a) 30 m                      (b) 32 m                      (c) 36 m                      (d) none of these
- A worker is paid Rs. 1110 for 6 days. If his total wages during a month are Rs. 4625, for how many days did he work?  
(a) 15 days                      (b) 25 days                      (c) 30 days                      (d) none of these
- A car can cover a distance of 522 km on 36 litres of petrol. How far can it travel on 14 litres of petrol?  
(a) 230 km                      (b) 232 km                      (c) 203 km                      (d) none of these
- If 13 metres of a uniform iron rod weighs 23.4 kg then what will be the weight of 6 metres of the same rod?  
(a) 10 kg                      (b) 20 kg                      (c) 10.8 kg                      (d) none of these
- The length of the shadow of a 3m high pole at a certain time of the day is 3.6 m. What is the length of the height of another pole whose shadow at that time is 54 m long?  
(a) 30 m                      (b) 40 m                      (c) 45 m                      (d) none of these
- Traveling 900 km by rail costs Rs. 280. What would be the fare for a journey of 360 km when a person travels by the same class?  
(a) Rs. 118                      (b) Rs. 112                      (c) Rs. 119                      (d) none of these
- A train covers a distance of 51 km in 45 minutes. How long will it take to cover 221 km?  
(a) 3 hours                      (b)  $3\frac{1}{4}$  hrs                      (c)  $3\frac{1}{2}$  hrs                      (d) none of these
- If 15 oranges cost Rs. 70, what do 39 oranges cost?  
(a) Rs. 180                      (b) Rs. 182                      (c) Rs. 190                      (d) none of these
- If 8 kg sugar costs Rs. 148, how much sugar can be bought for Rs. 832.50?  
(a) 45 kg                      (b) 50 kg                      (c) 60 kg                      (d) none of these
- The cost of 37m of silk is Rs. 3145. What length of this silk can be purchased for Rs. 1445?  
(a) 15 m                      (b) 16 m                      (c) 17 m                      (d) none of these
- If 22.5 m of a uniform iron rod weighs 85.5 kg, what will be the length of 22.8 kg of the same rod?  
(a) 5 m                      (b) 6 m                      (c) 7 m                      (d) none of these

- If the weight of 6 sheets of a paper is 162 grams, how many sheets of the same quality of paper would weigh 13.5 kg?  
(a) 300 (b) 400 (c) 500 (d) none of these
- 1152 bars of soap can be packed in 8 cartoons of the same size. How many such cartoons will be required to pack 3888 bars?  
(a) 27 (b) 24 (c) 25 (d) none of these
- If the thickness of a pile of 16 cardboards is 44mm, how many cardboards will be there in a pile which is 71.5 cm thick?  
(a) 270 (b) 260 (c) 250 (d) none of these
- At a particular time of a day, a 7m high flagstaff casts a shadow which is 8.2m long. What is the height of the building which casts a shadow 20.5 m in length at the same time?  
(a) 15.5 m (b) 16.5 m (c) 17.5 m (d) none of these
- 15 men can build a 16.25m long wall up to a certain height in one day. How many men should be employed to build a wall of the same height but of length 26m in one day?  
(a) 27 (b) 24 (c) 25 (d) none of these
- In a hospital, the monthly consumption of milk of 60 patients is 1350 litres. How many patients can be accommodated in the hospital if the monthly ration of milk is raised 1710 litres, assuming that the quota per head remains the same?  
(a) 75 (b) 76 (c) 77 (d) none of these
- The extension in an elastic string varies directly as the weight hung on it. If a weight of 150 g produces an extension of 2.8 cm, what weight would produce an extension of 19.6 cm?  
(a) 1.5 kg (b) 1.05 kg (c) 15 kg (d) none of these
- A car travels 432 km on 48 litres. How far would it travel on 20 litres of petrol?  
(a) 160 km (b) 180 km (c) 200 km (d) none of these
- If 40m of a cloth costs Rs. 1940, how many metres can be bought for Rs. 727.50?  
(a) 15 m (b) 16 m (c) 17 m (d) none of these
- A private taxi charges a fare of Rs. 260 for a journey of 200 km, how much would it travel for Rs. 279.50?  
(a) 200 km (b) 215 km (c) 200 km (d) none of these
- Manoj types 540 words during half an hour, how many words would he type in 6 minutes?  
(a) 105 (b) 106 (c) 108 (d) none of these
- Rohit bought 12 registers for Rs. 156, find the cost of 7 such register.  
(a) Rs. 90 (b) Rs. 91 (c) Rs. 92 (d) none of these

- Pranshu takes 125 minutes in walking a distance of 100m. What distance would he cover in 315 minutes?  
(a) 250 m                      (b) 252 m                      (c) 254 m                      (d) none of these
- If the cost of 93m of a certain kind of plastic sheet is Rs. 1395, then what would it cost to buy 105m of such plastic sheet?  
(a) Rs. 1500                      (b) Rs. 1550                      (c) Rs. 1575                      (d) none of these
- Ranjita types 1080 words in one hour. What is her gross words a minute rate?  
(a) 15                                  (b) 16                                  (c) 18                                  (d) none of these
- 68 boxes of a certain commodity require a shelf-length of 13.6 m. How many boxes of the same commodity would occupy a shelf-length of 20.4m?  
(a) 104                                  (b) 106                                  (c) 102                                  (d) none of these
- A worker is paid Rs. 200 for 8 days work. If he works for 20 days, how much will he get?  
(a) Rs. 500                      (b) Rs. 550                      (c) Rs. 575                      (d) none of these
- If 52 men can do a piece of work in 35 days, in how many days 28 men will do it?  
(a) 65 days                      (b) 75 days                      (c) 80 days                      (d) none of these
- If 56 men can do a piece of work in 42 days, how many men will do it in 14 days?  
(a) 165                                  (b) 166                                  (c) 168                                  (d) none of these
- 120 men have food provision for 200 days. After 5 days, 30 men died due to an cancer. How long will the remaining food last?  
(a) 260 days                      (b) 275 days                      (c) 250 days                      (d) none of these
- If  $x$  and  $y$  varies inversely as each other and  $x = 10$  when  $y = 6$ . Find  $y$  when  $x = 15$ .  
(a) 5    (b) 6    (c) 4    (d) none of these
- Shreya cycles to her school at an average speed of 12km/hr. It takes her 20 minutes to reach the school. If she wants to reach her school in 15 minutes, what should be her average speed?  
(a) 15 km/hr                      (b) 16 km/hr                      (c) 18 km/hr                      (d) none of these
- 1000 soldiers in a fort has enough food for 20 days. But some soldiers were transferred to another fort and the food lasted for 25 days. How many soldiers were transferred?  
(a) 100                                  (b) 200                                  (c) 800                                  (d) none of these
- If  $x$  and  $y$  varies inversely as each other and  $x = 8$  when  $y = 32$ . Find  $y$  when  $x = 16$ .  
(a) 64    (b) 16    (c) 4    (d) none of these
- If  $x$  and  $y$  varies inversely as each other and  $x = 8$  when  $y = 10$ . Find  $y$  when  $x = 2$ .  
(a) 40    (b) 16    (c) 4    (d) none of these

1. If  $x$  and  $y$  varies inversely as each other and  $x = 2$  when  $y = 40$ . Find  $x$  when  $x = 20$ .  
(a) 40                      (b) 16                      (c) 4                      (d) none of these
2. If  $x$  and  $y$  varies inversely as each other and  $x = 8$  when  $y = 10$ . Find  $y$  when  $x = 5$ .  
(a) 40                      (b) 16                      (c) 4                      (d) none of these
3. If  $a$  and  $b$  varies inversely as each other and  $a = 16$  when  $b = 4$ . Find  $b$  when  $a = 32$ .  
(a) 2                      (b) 8                      (c) 4                      (d) none of these
4. If  $a$  and  $b$  varies inversely as each other and  $a = 16$  when  $b = 4$ . Find  $b$  when  $a = 8$ .  
(a) 2                      (b) 8                      (c) 4                      (d) none of these
5. If  $x$  and  $y$  varies directly as each other and  $x = 4$  when  $y = 16$ . Find  $y$  when  $x = 9$ .  
(a) 48                      (b) 36                      (c) 4                      (d) none of these
6. If  $x$  and  $y$  varies directly as each other and  $x = 4$  when  $y = 16$ . Find  $y$  when  $x = 12$ .  
(a) 48                      (b) 36                      (c) 4                      (d) none of these
7. If  $x$  and  $y$  varies directly as each other and  $x = 4$  when  $y = 16$ . Find  $y$  when  $x = 1$ .  
(a) 48                      (b) 36                      (c) 4                      (d) none of these
8. If  $x$  and  $y$  varies directly as each other and  $x = 4$  when  $y = 16$ . Find  $y$  when  $x = 3$ .  
(a) 48                      (b) 36                      (c) 4                      (d) none of these
9. If 36 men can do a piece of work in 25 days, in how many days will 15 men do it?  
(a) 60 days                      (b) 75 days                      (c) 50 days                      (d) none of these
10. A work force of 50 men with a contractor an finish a piece of work in 5 months. In how many months the same work can be completed by 125 men?  
(a) 2                      (b) 8                      (c) 4                      (d) none of these
11. 1200 men can finish a stock of food in 35 days. How many more men should join the hostel so that the same stock may lst for 25 days?  
(a) 480                      (b) 360                      (c) 400                      (d) none of these
12. In a hostel of 50 girls, there are food provisions for 40 days. If 30 more girls join the hostel, how long will these provisions last?  
(a) 26 days                      (b) 20 days                      (c) 25 days                      (d) none of these
13. 18 men can reap a field in 35 days. For reaping the same field in 15 days, how many men are required?  
(a) 48                      (b) 36                      (c) 42                      (d) none of these
14. 55 cows can graze a field in 16 days. How many cows will graze the same field in 10 days?  
(a) 88                      (b) 66                      (c) 44                      (d) none of these