1) 20 men or 24 women can complete a piece of work in 20 days. If 30 men and 12 women undertake to complete the work, the work will be completed in
a) 16 days b) 15 days
c) 10 days d) 12 days

2) 7 men can complete a piece of work in 12 days. How many additional men will be required to complete double the work in 8 days ?
a) 7 b) 14
c) 28 d) 21

3) Two persons can complete a piece of work in 9 days. How many more persons are needed to complete double the work in 12 days?
a) 1 b) 4
c) 3 d) 2

4) If 72 men can build a wall of 280 m length in 21 days, how many men could take 18 days to build a similar type of wall of length 100 m?
a) 28 b) 18
c) 30 d) 10

5) If 4 men or 8 women can do a piece of work in 15 days, in how many days can 6 men and 12 women do the same piece of work ?
a) 30 days b) 15 days
c) 20 days d) 5 days

6) 3 men and 7 women can do a job in 5 days, while 4 men and 6 women can do it in 4 days. The number of days required for a group of 10 women working together, at the same rate as before, to finish the same job is :
a) 20 days b) 40 days
c) 30 days d) 36 days

7) Working 8 hours a day, Anu can copy a book in 18 days. How many hours a day should she work so as to finish the work in 12 days ?
a) 13 hours b) 11 hours
c) 12 hours d) 10 hours

8) 24 men can do a piece of work in 17 days. How many men will be able to do it in 51 days?
a) 6 b) 12
c) 8 d) 10

9) Either 8 men or 17 women can paint a house in 33 days. The number of days required to paint three such houses by 12 men and 24 women working at the same rate is :
a) 66 days b) 34 days
c) 44 days d) 43 days

10) 2 men and 3 women together or 4 men together can complete a piece of work in 20 days.3 men and 3 women will complete the same work in :
a) 19 days b) 18 days
c) 12 days d) 16 days

11) If 10 men can do a piece of work in 12 days, the time taken by 12 men to do the same piece of work wil be
a) 8 days b) 9 days
c) 12 days d) 10 days

12) 18 boys can do a piece of work in 24 days. In how many days can 27 boys do the same work ?
a) 48 days b) 23 days
c) 16 days d) 32 days

13) 5 persons can prepare an admission list in 8 days working 7 hours a day. If 2 persons join them so as to complete the work in 4 days, they need to work per day for :
a) 8 hours b) 12 hours
c) 10 hours d) 9 hours

14) If 80 persons can finish a work within 16 days by working 6 hours a day, the number of hours a day should 64 persons work to finish that very job within 15 days is :

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a) 6 hrs. b) 8 hrs.
c) 5 hrs. d) 7 hrs.

15) 10 men working 6 hours a day can complete a work in 18 days. How many hours a day must 15 men work to complete the same work in 12 days ?
a) 15 days b) 12 days
c) 6 days d) 10 days

16) If the work done by (x –1) men in (x + 1) days is to the work done by (x + 2) men in (x - 1) days are in the ratio 9 : 10, then the value of x is equal to :
a) 8 b) 7
c) 5 d) 6

17) 'x' number of men can finish a piece of work in 30 days. If there were 6 men more, the work could be finished in 10 days less. The original number of men is
a) 15 b) 12
c) 6 d) 10

18) Some carpenters promised to do a job in 9 days but 5 of them were absent and remaining men did the job in 12 days. The original number of carpenters was
a) 18 b) 16
c) 24 d) 20

19) If x men can do a piece of work in x days, then the number of days in which y men can do the same work is
a) x^2y days b) $\frac{x^2}{y}$ days
c) xy days d) $\frac{y^2}{x}$ days

20) If 7 men working 7 hrs a day for each of 7 days produce 7 units of work, then the units of work produced by 5 men working 5 hrs a day for each of 5 days is
a) $\frac{343}{25}$ b) $\frac{49}{125}$
c) $\frac{25}{343}$ d) $\frac{125}{49}$

21) Seventy-five men are employed to lay down a railway line in 3 months. Due to certain emergency conditions, the work was to be finished in 18 days. How many more men should be employed to complete the work in the desired time ?
a) 375 b) 350
c) 300 d) 325

22) 39 persons can repair a road in 12 days working 5 hours a day. In how many days will 30 persons working 6 hours a day complete the work ?
a) 15 days b) 14 days
c) 10 days d) 13 days

23) Some persons can do a piece of work in 12 days. Two times the number of such persons will do half of the work in
a) 3 days b) 5 days
c) 9 days d) 6 days

24) 4 mat-weavers can weave 4 mats in 4 days. At the same rate how many mats would be woven by 8 mat-weavers in 8 days ?
a) 16 b) 12
c) 4 d) 8

25) A wall of 100 metres can be built by 7 men or 10 women in 10 days. How many days will 14 men and 20 women take to build a wall of 600 metres ?
a) 30 b) 25
c) 15 d) 20

26) A man undertakes to do a certain work in 150 days. He employs 200 men. He finds that only a quarter of the work is done in 50 days. The number of additional men that should be appointed so that the whole work will be finished in time is :
a) 50 b) 125
c) 75 d) 100

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27) A contractor undertook to finish a work in 92 days and employed 110 men. After 48 days, he found that he had already done $\frac{3}{5}$ part of the work, the number of men he can withdraw so that the work may still be finished in time is:

a) 30 b) 35
c) 45 d) 40

28) One man, 3 women and 4 boys can do a piece of work in 96 hours, 2 men and 8 boys can do it in 80 hours, 2 men and 3 women can do it in 120 hours. 5 men and 12 boys can do it in

a) 44 hours b) $43\frac{7}{11}$ hours
c) $39\frac{1}{11}$ hours d) $42\frac{7}{11}$ hours

29) 30 men can repair a road in 18 days. They are joined by 6 more workers. Now the road can be repaired in

a) 17 days b) 16 days
c) 14 days d) 15 days

30) If p men working p hours per day for p days produce p units of work, then the units of work produced by n men working n hours a day for n days is

a) $\frac{n^3}{p^2}$ b) $\frac{n^2}{p^2}$
c) $\frac{p^2}{n^2}$ d) $\frac{p^3}{n^2}$

31) A contractor undertook to finish a certain work in 124 days and employed 120 men. After 64 days, he found that he had already done $\frac{2}{3}$ of the work. How many men can be discharged now so that the work may finish in time ?

a) 50 b) 40
c) 48 d) 56