

MATHS (Time and work)

- Fifty six men can complete a piece of work in 24 days. In how many days can 42 men complete the same piece of work?**
(a) 18 days (b) 32 days
(c) 98 days (d) 48 days
- Four examiners can examine a certain number of answer papers in 10 days by working 5 hours a day. For how many hours a day would 2 examiners have to work in order to examine twice the number of answer papers in 20 days?**
(a) 8 hours (b) $7\frac{1}{2}$ hours
(c) 10 hours (d) $8\frac{1}{2}$ hours
- 'A' can complete a piece of work in 12 days. 'A' and 'B' together can complete the same piece of work in 8 days. In how many days can 'B' alone complete the same piece of work?**
(a) 15 days (b) 18 days
(c) 24 days (d) 28 days
- 15 men can do a piece of work in 6 days. how many men would be required to do the same work in 9 days?**
(a) 10 (b) 16 (c) 12 (d) 20
- 'A' can complete a piece of work in 12 days. 'A' and 'B' together can complete the same piece of work in 4 days. In how many days can 'B' alone complete the same piece of work?**
(a) 6 days (b) 8 days
(c) 15 days (d) 18 days
- A and B together can do a work in 8 days, B and C together in 6 days, while C and A together in 4 days. if they all work together, then the work will be completed in :**
(a) $3\frac{3}{4}$ days (b) $3\frac{9}{13}$ days
(c) $5\frac{1}{13}$ days (d) $6\frac{1}{2}$ days
- A work could have been completed in 100 days by some workers. However, due to the absence of 10 workers, it was completed in 110 days. The original number of workers was**
(a) 100 (b) 110 (c) 5 (d) 50
- A and B can a piece of work in 12 days, B and C in 8 days and C and A in 6 days. How long would B take to do the same work alone ?**
(a) 24 days (b) 32 days
(c) 40 days (d) 48 days
- A and B can do a piece of work in 10 days, B and C in 15 days and A and C in 20 days. C alone can do the work in**
(a) 60 days (b) 120 days
(c) 80 days (d) 30 days
- A can finish a work in 18 days and B can do the same work in half the time taken by A. Then, working together what part of the same work can they finish in a day ?**
(a) $\frac{1}{6}$ (b) $\frac{2}{5}$ (c) $\frac{1}{9}$ (d) $\frac{2}{7}$
- A and B can finish a piece of work in 30 days, B and C can finish it in 15 days while C and A can finish it in 10 days. Time taken by them together to do this work is**
(a) 5 days (b) $2\frac{2}{2}$
(c) $7\frac{1}{2}$ (d) 10 days
- If 3 men or 4 women can plough a field in 43 days, how long will 7 men and 5 women take to plough it?**
(a) 10 days (b) 11 days
(c) 9 days (d) 12 days
- A can do a piece of work in 80 days. he works at it for 10 days and then B alone finishes the work in 42 days. In how many days working together they could complete the work ?**
(a) 24 days (b) 25 days (c) 30 days (d) 35 days
- A does a work in 10 days and B does the same work in 15 days. In how many days will they finish the work when working together?**
(a) 7 days (b) 8 days
(c) 6 days (d) 5 days
- A tyre has two punctures. The first puncture would have made the tyre flat in 9 minutes and the second alone would have done it in 6 minutes. If air leaks out at constant rate, how long does it take to make the tyre flat by both the punctures?**
(a) 5 min (b) $\frac{17}{3}$ min
(c) 4 min (d) $3\frac{3}{5}$ min
- A, B and C can finish the work in 1 day, 6 days and 12 days respectively. In how many days can they finish the work if they work together ?**
(a) $\frac{4}{5}$ days (b) $\frac{5}{7}$ days
(c) $\frac{2}{3}$ days (d) $\frac{3}{5}$ days
- A man can do a job in 15 days. his father takes 20 days and his son takes 25 days to finish the work. In how many days can they finish the work if they together ?**
(a) 5.2 days (b) 6.4 days
(c) 3.5 days (d) 4.4 days
- A man can do a piece of work in 5 days but with the help of his son, he can do it in 3 days. In how many days can the son alone finish the work?**
(a) 3.5 days (b) 6 days
(c) 5 days (d) 7.4 days
- A can lay railway track between two given stations in 16 days and B can do the same job in 12 days. With the help of C, they do the job in 4 days only. Then C alone can do the job in**
(a) 3.5 days (b) 6 days
(c) 8 days (d) 9.6 days

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20. X can do one-fourth of the work in 10 days, y can do 40% of the work in 40 days and Z can do one-third of the work in 13 days. who will complete the work first ?
a) X (b) Z
(c) Y (d) Data inadequate
21. A and B can do a work in 12 days, B and C in 15 days, C and A in 20 days. If all the three work together, how much time will they take?
a) 16 days (b) 13 days
(c) 15 days (d) 10 days
22. A and B can do a work in 8 days, B and C in 12 days. If A, B and C together can finish the work in 6 days. Then A and C will do the same work in
a) 5 days (b) 8 days (c) 10 days (d) 6 days
23. A and B can do a piece of work in 72 days. B and C can do it in 120 days, A and C can do it in 90 days. In what time can A alone do it ?
(a) 140 days (b) 70 days
(c) 100 days (d) 120 days
24. A and B can do a piece of work in 5 days, B and C can do it in 7 days, A and C can do it in 4 days. Who among these will take the least time if put to do it alone?
a) A (b) B
(c) C (d) Data inadequate
25. A can do a piece of work in 4 hours, B and C together can do it in 3 hours while A and C together can do it in 2 hours. How long will B alone take to do it ?
a) 10 hrs (b) 12 hrs (c) 14 hrs (d) 16 hrs
26. A works as fast as B. If B alone can complete the work in 12 days, the number of days in which A and B together can complete the work is
a) 6 days (b) 5 days (c) 4 days (d) 8 days
27. A is twice as good a workman as B and together they finish a piece of work in 14 days. The number of days taken by A alone to finish the work is
a) 21 days (b) 18 days (c) 25 days (d) 16 days
28. A and B can do a job together in n days. A is $1\frac{1}{4}$ times as efficient as B. The same job can be done by A alone in
a) 10 days (b) 12 days (c) 48 days (d) 11 days
29. Sakshi can do a piece of work in 20 days. Tanya is 25% more efficient than Sakshi. The number of days taken by Tanya to do the same piece of work is
a) 12 days (b) 10 days (c) 16 days (d) 15 days
30. A is 30% more efficient than B. How much time will they, working together, take to complete a job which A alone could have done in 23 days?
a) 16 days (b) 15 days (c) 10 days (d) 13 days
31. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then fraction of work left is
(a) $\frac{7}{15}$ (b) $\frac{7}{16}$ (c) $\frac{6}{17}$ (d) $\frac{8}{15}$
32. A can finish a work in 18 days and B can do the same in 15 days. B worked for 10 days and left the job. In how many days A alone can finish the remaining work ?
a) 5 days (b) 6 days (c) 4 days (d) 8 days
33. A and B can complete work in 15 days and 10 days respectively. They started doing the work together but after 2 days, B had to leave and A alone completed the remaining work. The whole work was completed in
a) 14 days (b) 11 days (c) 10 days (d) 12 days
34. A can finish a work in 24 days, B in 9 days and C in 12 days. B and C start the work but are forced to leave after 3 days. the remaining work was done by A in
a) 15 days (b) 12 days (c) 10 days (d) 17 days
35. A can do piece of work in 20 days and B can do it in 30 days. How long would they take to do it working together?
a) 12 days (b) 10 days (c) 15 days (d) 16 days
36. A, B and C can do a piece of work in 6 days, 12 days and 24 days respectively. They altogether will complete the work in.
(a) $3\frac{3}{7}$ days (b) $\frac{7}{24}$ days (c) $4\frac{4}{5}$ days (d) $\frac{5}{24}$ days
37. A can do $\frac{1}{3}$ of work in 5 days and B can do $\frac{2}{5}$ of work in 10 days. In how many days both A and B together can do the work ?
(a) $7\frac{3}{4}$ days (b) $9\frac{3}{8}$ days (c) $8\frac{4}{5}$ days (d) 10 days
38. A takes twice as much time as B and thrice as much time as C to finish a piece of work. Working together they can finish the work in 2 days. Find the time each will take to finish the work.
a) 12, 6, 4 days (b) 18, 9, 6 days
c) 24, 12, 8 days (d) 6, 3, 2, days
39. A and B together can do a piece of work in 6 days and A alone can do it in 9 days. In how many days can B alone do it ?
a) 12 days (b) 18 days (c) 15 days (d) 20 days
40. A and B finish a job in 12 days while A, B and C can finish it in 8 days. C alone will finish the job in :
a) 20 days (b) 18 days (c) 24 days (d) 16 days
41. A and B can do a work in 10 hours and 15 hours respectively. Both of them started working together, after what time 'B' should leave the work so that work will be completed in 8 hours.
a) 3 hrs (b) 2 hrs (c) 4 hrs (d) 5 hrs
42. A and B can do a work in 10 days and 15 days respectively. A started working alone, after what time 'B' should join him so that work would be completed in 8 days?
a) 4 days (b) 6 days (c) 5 days (d) 8 days

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43. A and B can do a work in 20 days and 30 days respectively. A and B started working together A left a work after working 8 days and B completed the remaining work. In what time work will be completed?
 a) 16 days (b) 12 days (c) 18 days (d) 14 days
44. A and B can do a work in 20 hours and 30 hours respectively each of them work for hours alternatively starting with A, the work will be completed?
 a) 24 hrs (b) 23 hrs (c) 26 hrs (d) 18 hrs
45. A and B can do a work in 10 days and 20 days respectively, each of them work for one days alternatively, then in how many days work will completed if :
 (i) Work stated by A
 a) 13 days (b) 12 days (c) 16 days (d) 18 days
 (ii) Work stated by B
 a) $12\frac{1}{2}$ days (b) $13\frac{1}{2}$ days (c) 16 days (d) 14 days
46. A, B and C can do a work in 20 days, 30 days and 40 days respectively. Each of them work for one day alternatively in same order, then in how many days work would be completed?
 a) 16 days (b) $18\frac{1}{2}$ days (c) $25\frac{1}{4}$ days (d) $27\frac{1}{2}$ days
47. A, B and C can do a work in 20 hours, 30 hours and 40 hours respectively. A starts working with help of B or C on every alternate hour, then in what time work would complete?
 a) 12 hrs 40 min (b) 16 hrs 8 min
 (c) 12 hrs 36 min (d) 18 hrs 30 min
48. A and B can do a work in 20 hours, B and C in 30 hours and A and C in 40 hours. In what time each of them can do the same work?
 (a) $48, 34\frac{2}{7}, 240$ hours (b) $34\frac{2}{7}, 48, 240$ hours
 (c) $240, 3\frac{2}{7}, 48$ hours (d) $34, 48\frac{2}{7}, 240$ hours
49. A can complete a work in 'X' days and B can complete in 'y' days . how many days will it take to complete the work if both A and B work together?
 (a) $(x + y)$ days (b) $(\frac{1}{x} \times \frac{1}{y})$
 (c) $(\frac{x+y}{xy})$ (d) $(\frac{xy}{x+y})$
50. 8 children and 12 men complete a certain piece of work in 9 days. Each child takes twice the time by a man to finish the work. In how many days will 12 men finish the same work?
 a) 8 days (b) 9 days (c) 12 days (d) 15 days
51. A can do a work in 6 days. B takes 8 days to complete it . C takes as long as A and B would take working together. How long will it take when
 (i) B and C Complete the work together
 (a) $2\frac{2}{5}$, days (b) $3\frac{2}{7}$, days
 (c) $4\frac{1}{2}$ days (d) None of these
 (ii) A and C Complete the work together
 (a) $2\frac{2}{11}$, days (b) $3\frac{2}{11}$, days
 (c) $4\frac{1}{11}$ days (d) None of these
 (iii) A, B and C Complete the work together
 (a) $2\frac{3}{7}$, days (b) $3\frac{2}{5}$, days
 (c) $1\frac{5}{4}$ days (d) None of these
52. A and B together can do a piece of work in 7 days. If A does twice as much work as B in a given time. Find how long A alone would take to do the work ?
 a) 21 days (b) 20 days (c) 10 days (d) $10\frac{1}{2}$ days
53. 2 men or 3 women or 4 boys can do a work in 52 days. then in how many days will 1 man, 1 boy do the work?
 a) 24 days (b) 42 days (c) 36 days (d) 48 days
54. A group of men decided to do a work in 15 days, but 2 of them became absent. If her rest of the group did the work in 25 days, then find the original number of men.
 (a) 5 men (b) 4 men (c) 7 men (d) 6 men
55. A certain number of men can do a work in 50 days. If there were 3 men more it could be finished in 5 days less. How many men are there?
 (a) 36 men (b) 18 men (c) 27 men (d) 30 men
56. There is a sufficient food for 200 men for 36 days. After 33 days. 140 men leave the place. For how many days will the rest of the food last for the rest of the men?
 a) 5 days (b) 10 days (c) 18 days (d) 15 days
57. A man, a woman and a boy can do a job in 20 days, 30 days and 60 days respectively. How many boys must assist 2 men and 8 women to do the work in 2 days.
 a) 2 (b) 3 (c) 6 (d) 8
58. A and B can do a job in 16 days and 12 days respectively. They started working together. After 4 days. A left the work. Find how many days B has worked alone to finish the work?
 a) 8 days (b) 10 days (c) 11 days (d) 5 days
59. A can do $\frac{3}{4}$ of a work in 12 days. In how many days can he finish $\frac{1}{8}$ of the work?
 a) 2 days (b) 3 days (c) 8 days (d) 9 days
60. A and B working alone can finish a job in 5 days and 7 days respectively. They work at it alternatively for a day. If a starts the work., then find in how many days the job will be finished?
 (a) $2\frac{3}{4}$ days (b) $3\frac{4}{5}$ days
 (c) $5\frac{4}{5}$ days (d) $4\frac{3}{5}$ days

Level -2

- 24 men can complete a piece of work in 16 days. the same work can be completed by 8 women in 72 days, whereas 24 children take 32 days to complete. If 10 men, 15 women and 24 children work together, in how many days can the work would be completed ?
a) 18 days (b) 8 days (c) 22 days (d) 12 days
- 8 men can complete a piece of work in 12 days, 4 women can complete the same piece of work in 48 days and 10 children can complete the piece of work in 24 days. In how many days can 10 men, 4 women and 10 children together complete the piece of work?
a) 5 days (b) 10 days (c) 8 days (d) 6 days
- 9 children can complete a piece of work in 360 days. 18 men can complete the same piece of work in 72 days and 12 women can complete the piece of work in 162 days. In how many days can 10 men, 4 women and 12 children work together complete same piece of work ?
a) 124 days (b) 96 days (c) 68 days (d) 81 days
- A man, a woman and a boy can together complete a piece of work in 3 days. If a man alone can do it in 6 days and a boy alone can do it in 18 days, how long will a woman alone take to complete the work?
a) 9 days (b) 12 days (c) 15 days (d) 10 days
- A and B can together finish a work in 30 days. They worked together for 20 days and then B left. After another 20 days A finished the remaining work. In how many days can A alone finish the work ?
a) 80 days (b) 60 days (c) 40 days (d) 90 days
- A can finish a work in 24 days, B in 9 days and C in 12 days, B and C start the work but are forced to leave after 3 days. The remaining work is done by A in
a) 5 days (b) 3 days (c) 10 days (d) $\frac{10}{2}$ days
- A can do a certain work in the same time in which B and C together can do it. If A and B together could do it in 10 days and C alone in 50 days, then B alone could do the work in
a) 15 days (b) 20 days (c) 25 days (d) 30 days
- 10 men can complete a piece of work in 15 days and 15 woman can complete the same work in 12 days. If all the 10 men and 15 women work together, in how many days will the work get completed?
a) 6 days (b) $7\frac{2}{3}$ days (c) $6\frac{2}{3}$ days (d) 5 days
- A can complete a work in 12 days. B can completes the same work in 15 days. A started working alone and after 3 days B joined him. How many days will they take together to complete the remaining work ?
a) 5 days (b) 8 days (c) 6 days (d) 4 days
- 10 men and 15 women finish a work in 6 days. One men alone finishes that work in 100 days. In how many days will a woman finish the work?
a) 125 days (b) 150 days (c) 90 days (d) 225 days
- 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 hrs (b) 10 hrs (c) 12 hrs (d) 6 hrs
- Seven men and four boys can complete a work in 6 days. A man can complete double the work than a boy in a particular time. In how many days will 5 men and 4 boys complete the work ?
(a) $5\frac{1}{7}$ days (b) $6\frac{2}{3}$ days (c) $4\frac{2}{7}$ days (d) $7\frac{5}{7}$ days
- Vinod can complete a job in 15 hours. Vinay alone can complete he same job in 10 hours. Vinod works for 9 hours and then the remaining job is completed by Vinay. How many hours will Vinay take to complete the remaining job alone?
a) 4 hrs (b) 5 hrs (c) 6 hrs (d) 2 hrs
- A, B and C can complete a work separately in 24, 36, and 48 days respectively. They started together but C left after 4 days of start and A left 3 days before the completion of the work. In how many days will the work be completed ?
(a) 15 days (b) $13\frac{4}{5}$ days (c) $11\frac{7}{13}$ days (d) $10\frac{8}{13}$ days
- 12 men can complete a piece of work in 4 days, while 15 women can complete the same work in 4 days. 6 men start working on the job and after working 2 days, all of them stopped working. How many women should be put on the job to complete the remaining work, if it is to be completed in 3 days ?
a) 15 days (b) 18 days (c) 2 days (d) Data inadequate
- P can complete a work in 12 days working 8 hours a day. Q can complete the same work in 8 days working 10 hours a day. If both P and Q work together, working 8 a day, in how many days can they finish the work?
(a) $6\frac{6}{11}$ days (b) $5\frac{5}{11}$ days
(b) $5\frac{4}{11}$ days (b) $4\frac{3}{4}$ days
- A does half work as much as B does in three-fourth of the time. If together they take 18 days to complete the work, how much time shall B take to do it ?
(a) 40 days (b) 30 days (b) 25 days (b) 20 days
- A and B can do a piece of work in 20 days and 25 days respectively. They start the work together but after some days, A left the job. B alone does the remaining work in 10 days. Find after how many days A left the job?
(a) $6\frac{2}{3}$ days (b) $6\frac{1}{3}$ days
(b) 6 days (b) $5\frac{2}{3}$ days

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19. A can do a piece of work in 16 days, B in 10 days. A and B work at it together for 6 days and then C finished it in 3 days. In how many days would C done it ?
(a) $536 \frac{1}{3}$ days (b) $6 \frac{1}{803}$ days
(b) 90 days (b) 120 days
20. If 12 men and 16 boys can do a piece of work in 5 days and 13 men and 24 boys can do it in 4 days, how long will 7 men and 10 boys take to do it ?
(a) $8 \frac{1}{3}$ days (b) 7 days
(b) $4 \frac{2}{3}$ days (b) 8 days
21. A certain number of men can do a work in 60 days. if there were 8 men less it could be could be finished in 10 days more. How many men are there ?
(a) 42men (ba) 46 men (ca) 32 men (d) 56 men
22. A is twice as fast as B, and is therefore able to finish a work in 30 days less than B. Find the time in which they can many men are there?
a) 18days (b) 20 days (c) 1524 days (d) 3010 days
23. A can finish a work in 16 days at 5 hours a days. B can finish it in 12 days at 4 hours a day. Find in how many days A and B can finish it working together 6 hours a day.
(a) 5days (b) 4 days (c) 6 days (d) 8 days
24. 6 men and 3 boys working together can do 5 times as much work per hour as a man and a boy together. Compare the work of a man with that of a boy
(a) 2 : 1 (b) 3 : 1 (c) 3 : 2 (d) 4 : 1
25. A builder decided to build a farm house in 45 days. he employed 150 men in the beginning and 120 more after 30 days and complete the construction in stipulated time. If he had not employed the additional men, how many days behind schedule would it have been finished?
(a) 12 5days (b) 10 days (c) 15 days (d) 8 days
26. A can do a certain work in the same time in which B and C together can do it. If A and B together could do it in 10 days. and C alone in 15 days, in how many days can A alone do the same work
(a) 12 days (b) 8 days (c) 10 days (d) 5 days
27. A, B and C can do a piece of work in 12, 18 and 24 days respectively, they work at it together. A stops the work after 4 days and B is called off 2 days before the work is done. In what time was the work finished?
(a) 7 days (b) $4 \frac{4}{13}$ days (c) 6 days (d) 8 days
28. A started a work and left after working for 4 days, then B was called and he finished the work in 18 days. if A left the work after working for 6 days, B would have finished the remaining work in 12 days. In how many days can each of them, working alone finish the whole work?
(a) 120 days, 20 days (b) 10 days, 30 days
(c) 15 days, 30 days (d) 20 days, 30 days
29. 40 men, working 8 hours a day can do a piece of work in 15 days. Find the number of days in which 60 men working 4 hours a day can do twice the work. Assume that 3 men of the first group do as much work in 2 hours as 2 men of the second group do in 3 hours.
(a) 60 days (b) 40days (c) 30 days (d) 50 days
30. A can do a piece of work in 12 days. B is 60% more efficient than A . the number of days taken by B to do the same piece of work is :
(a) $7 \frac{1}{2}$ days (b) $6 \frac{1}{4}$ days (c) 8 days (d) 6days
31. Twenty-four men can complete a work in sixteen days. thirty-two women can complete the same work in twenty four days. sixteen men and sixteen women started working and worked for twelve days. how many more men are to be added to complete the remaining work in 2 days.
(a) 60 (b) 24 (c) 36 (d) 32
32. A and C working together can finish certain piece of work in 12 days, A and B can finish same piece of work in 20 days. If A work for 24 days while B for 6 days then rest work done by C in 2 days. then find the how many days A, B and C can finish same piece of work, working together?
(a) 15 days (b) 10 days (c) 8 days (d) 18 days
33. Ramesh can finish a job in 20 days . H worked for 10 days alone and completed the remaining job working with Dinesh, in 2 days. How many days would both Dinesh and Ramesh together take to complete the entire job?
(a) 4 days (b) 5 days (c) $6 \frac{2}{3}$ days (d) 3 days
34. 12 men can complete a work within 9 days. they started the work, after 3 days 6 men joined them to replace 2 men. How many days will they take to complete the remaining work?
(a) 2 days (b) 3 days (c) 4 days (d) $4 \frac{1}{32}$ days
35. Two workers A and Be working together complete a job in 5 days. if A worked twice as efficiently as he actually did and B worked $\frac{1}{3}$ as efficiently as he actually did, the work would have completed in 3 days. Find the time for A to complete the job alone.
(a) $6 \frac{1}{2}$ days (d) $6 \frac{1}{4}$ days (c) $6 \frac{3}{5}$ days (d) $12 \frac{1}{2}$ days
36. In a camp, there is a meal for 120 men or 200 children. If 150 children have taken the meal, how many men will be catered to with the remaining meal?
(a) 20 (b) 30 (c) 40 (d) 50
37. 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) 4 (b) 8 (c) 12 (d) 16

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38. In a dairy farm, 40 cows eat 40 bags of husk in 40 days. In how many days one cow will eat one bag of husk?
(a) 1 days (b) $\frac{1}{4}$ days (c) 40 days (d) 80 days
39. 3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hour a day must 4 pumps work to empty the tank in 1 day?
(a) 9 hrs (b) 10 hrs (c) 8 hrs (d) 12 hrs
40. A can do a piece of work in 7 days of working 9 hours daily and B and do it in 6 days of working 7 hour daily. How long will they take to do it, working together $8\frac{2}{5}$ days hours a day.
(a) 5 days (b) 4 days (c) 3 days (d) 6 days
41. A can do a piece of work in 5 hours, B in 9 hours and C in 15 hours. If C could work with them for 1 hour only, the time taken by A and B together to complete the work.
(a) 2 hrs (b) 3 hrs (c) $3\frac{1}{2}$ hrs (d) 4 hrs
42. A, B and C can do a piece of work in 11 days, 20 days and 55 days respectively, working alone. How soon can the work be done if A is assisted by B and C on every alternate days?
(a) 12 days (b) 8 days (c) 9 days (d) 4 days
43. A man, a woman and a boy can complete a job in 3, 4, and 12 days respectively. How many boys must assist 1 man, and 1 woman to complete the job in $\frac{1}{4}$ of a day?
(a) 21 (b) 24 (c) 20 (d) 41
44. 16 workers working 6 hours a day can build a wall of length 150m breadth 20 m and height 12m in 25 days. In how many days 12 workers, working 8 hours a day can build a wall of length 800m, breadth 15 m and height 6m.
(a) 60 days (b) 70 days (c) 50 days (d) 80 days
45. A is thrice efficient as B and C is twice as efficient as B. what is the ratio of number of days taken by A, B and C, when they work individually?
(a) 12:6:3 (b) 2:3:6 (c) 1:2:3 (d) 3:1:2
46. A takes 6 days less than B to do a certain job and 2 days more than C. A and B together can do the same work in the same time as C. In how many days B alone can do the complete work?
(a) 10 days (b) 14 days (c) 12 days (d) 16 days
47. When A, B and C are employed for a task, A and B together do 70 % of the work and B and C do 50% of the work. Who is most efficient?
(a) A (b) B (c) C (d) can't determined
48. Mr. Modi can copy 40 pages in 10 minutes, Mr. Xerox and Mr. Modi both working together can copy 250 in 25 minutes. In how many minutes Mr. Xerox can copy 36 pages?
(a) 24min (b) 6 min (c) 3 min (d) 12 min
49. If 28 men complete $\frac{7}{8}$ of a piece of work in a week, then the number of men, who must be engaged to get the remaining work completed in another week is
(a) 5 (b) 6 (c) 4 (d) 3
50. 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 hour a day for n day is
(a) $\frac{P^2}{n^3}$ (b) $\frac{P^3}{n^3}$ (c) $\frac{n^2}{P^3}$ (d) $\frac{n^3}{P^2}$
51. If factory A turns out X cars an hour and factory B turns out Y cars every 2 hours, the number of cars which both factories turn out in 8 hours is.
(a) $8[x + y]$ (b) $16[x + y]$ (c) $8x + y/2$ (d) $[2x + y]4$
52. Joti can do $\frac{2}{4}$ of a job in 12 days. Mala is twice as efficient as Jyoti. In how many days will Mala finish the job?
(a) 6 days (b) 8 days (c) 4 days (d) 5 days
53. Ram and Mohan can do a job alone in 10 and 8 days respectively. On 1st January Ram starts the job and then they work on alternate days. When will the work be finished?
(a) 8th January (b) 10th January (c) 9th January (d) 7th January
54. Chandni and Divakar can do a piece of work in 9 day and 12 days respectively. If they work for a day alternatively beginning with Chandni in how many days, the work will be completed?
(a) $10\frac{1}{4}$ days (b) $9\frac{1}{4}$ days (c) $11\frac{1}{2}$ days (d) 10 days
55. Ram can do a certain work in 15 days while Chandan can do it in 25 days. Both worked together and finished the work. In what ratio should the total earning be divided between them?
(a) 3 : 5 (b) 2 : 5 (c) 5 : 2 (d) 5 : 3
56. A can complete a piece of work in 10 days, B in 15 days and c in 20 days. A and C worked together for two days and then A was replaced by B. In how many days, altogether, was the work completed?
(a) 12 days (b) 10 days (c) 6 days (d) 8 days
57. To do a certain work B would take three times as long as A and C together and C twice as long as A and B together. The three men together complete the work in 10 days. How long would each take separately?
(a) 24, 40 and 30 days (b) 22, 28 and 32 days
(b) 26, 33 and 38 days (c) 28, 22 and 26 days
58. A and B can do a work in 12 days. B and C can do the same work in 16 days. A started the work and work for 5 days then B takes over the work and work for 7 days. Then C complete the remaining work in 13 days . In how many days C can alone complete the whole work?
(a) 24 days (b) 30 days (c) 32 days (d) 48 days
59. A can complete a work in 35 days and B can do the same work in 28 days. if A work for 10 says then find in how many days B will do the remaining work ?
(a) 25 days (b) 20 days (c) 27 days (d) 24 days

MATHS (Time and work)

60. A and B can do a piece of work in 20 days and 30 days. Both worked together for some time and then B left the work 5 days before completion of the work. Find the time in which total work will be finished.
 (a) 7 days (b) 12 days (c) 14 days (d) 16 days
1. 4 men 5 women and 3 children together can complete a piece of work in 16 days. in how many days. can 10 women alone complete the piece of work if 10 men alone can complete it in 24 days ?
 (a) 18 days (b) 15 days
 (c) 12 days (d) can't be determine
2. A and B can do a work in 15 days and A takes 10 days more than that of A and B working together find time taken by B alone to do the same work.
 (a) $6\frac{2}{8}$ days (d) $37\frac{1}{42}$ days (c) $22\frac{1}{2}$ days (d) $4\frac{1}{2}$ days
3. A completes (a) $\frac{7}{10}$ of a work in 15 days. He completes the remaining work with the help of B in 4 days. The time required for A and B together to complete the entire work is
 (a) $10\frac{1}{3}$ days (d) $12\frac{2}{3}$ days (c) $13\frac{1}{3}$ days (d) $8\frac{1}{4}$ days
4. 25 men and 15 women can complete a piece of work in 12 days. All of them start working together and after working for 8 days all the women stopped working. 25 men completed the remaining work in 6 days. How many days will it take for completing the entire job if only 15 women are put on the job?
 (a) 10 days (b) 36 days (c) 12 days (d) 50 days
5. A certain number of persons can dig a trench 100 mtr. long, 50 mtr. broad and 10 mtr. deep in 10 days. The same number of persons can dig another trench 20 mtr. broad and 15 mtr. Deep in 30 day. The length of the second trench.
 (a) 400 m (b) 800 m (c) 500 m (d) 900 m
6. Ajay and Rahul are working on an assignment. Ajay takes 6 hours to type 32 pages on a computer while Rahul takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages ?
 (a) 5 hrs (b) 6 hrs 20 min (c) 7 hrs 30 mins (d) 8 hours 5 min
7. Two workers A and B are engaged to do a work. A working alone takes 8 hours more to complete the job than if both work together. If B work alone, he would need 4.5 hours more to complete the job than they both working together. What time would they take to do the work together?
 (a) 6 hrs (b) 3 hrs (c) 8 hrs (d) 7 hrs
8. A, B and C working together can finish a work in 2 days. A alone can do the work in 6 days and B alone can do the same work in 9 days. Find in what time 'C' alone can do the work?
 (a) $4\frac{1}{2}$ days (b) $6\frac{1}{2}$ days (c) 9 days (d) None of these
9. A can do a piece of work in 6 days. B takes 8 days. C takes as long as A and B would take working together. How long will B and C take to complete the work together?
 (a) $2\frac{1}{5}$ days (d) $2\frac{2}{5}$ days (c) 6 days (d) $4\frac{2}{5}$ days
10. A takes 8 days more than A and B working together and B takes 18 days more than A and B together. Then in what time 'A' alone can do the same work.
 (a) 15 days (b) 20 days (c) 12 days (d) 16 days
11. A and B can do a work in 12 days and A takes 10 days more than B to do the same work. Find time taken by A alone to do the same work?
 (a) 30 days (b) 20 days (c) 25 days (d) 12 day