MATHS

BOOKS - LEARN X

TIME & WORK

Problem

1. A can do a piece of work in 6 days and B alone can do it in 8 days. How long would it take for both of them to finish.

2. A can do a piece of work in 6 days and A alone can do it in 10 days.In how many days can B alone do it?.

3. A and B can do a piece of work in 40 days. B and C can do a piece of work in 30 days. C and

A can do a piece of work in 24 days. How long would they all take to do the same work?

Exercise

1. Parmod is able to do a pice of work in 15 days and Qasim can do the same work in 20 days. If they work together for 4 days, what fraction of work is now left?

A. $\left(\dfrac{8}{15}\right)$

B. $\left(\dfrac{7}{15}\right)$

C. $\left(\dfrac{11}{15}\right)$

D. $\left(\dfrac{2}{11}\right)$

Answer: A

2. Tanush's firm can lay railway track between two stations in 16 days. Navansh's firm can do the same job in 12 days. With the help of

Vridhi's firm, all can lay the track in 4 days. How many days will it take for Vridhi's firm alone to complete the work?

A. $9(3/5)$ days

B. $9(1/5)$ days

C. $9(2/5)$ days

D. 10 days

Answer: A

3. Gaurav, Parit and Gaggi can do a work in 20,30 and 60 days respectively. How many days does it need to complete the work if Gaurav does the work and he is assisted by others on every alteNAte day?

A. 10 days

B. 14 days

C. 15 days

D. 9 days

Answer: C

4. Sabir is thrice as good as Anish in work. Sabir is able to finish a job in 60 days less than Anish. Both can finish the work in - days working together.

A. 18 days

B. $22\frac{1}{2} days$

C. 24 days

D. 26 days

Answer: B

5. Kalpana can do a particular work in 6 days. Preeti can do the same work in 8 days. Both agreed to do it for Rs.3200. They completed the work in 3 days with the help of Mini. How much is to be paid to Mini?

A. Rs.380

B. Rs.600

C. Rs.420

D. Rs.400

Answer: D

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6. A job can be completed by 6 men and 8 women in 10 days. 26 men and 48 women can finish the same work in 2 days. 15 men and 20 women can do the same work in - days.

A. 4 days

B. 6 days

C. 2 days

D. 8 days

Answer: A

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7. Raja can do a piece of work in 4 hours. Raja

and Praja together can do it in just 2 hours,

while Rani and Praja together need 3 hours to

finish the same work. Rani alone can complete the work in __ hours.

A. 12 hours

B. 6 hours

C. 8 hours

D. 10 hours

Answer: A

8. Preeti can do a work in the same time in which Kanchan and Sudha together can do it. If Preeti and Kanchan work together, the work can be completed in 10 days. Sudha alone needs 50 days to complete the same work, then Kanchan alone can do it in how many days?

    A. 30 days

    B. 25 days

    C. 20 days

D. 15 days

Answer: B

9. Narinder completes 80% of a work in 20 days. Then Anju also joins and now together finish the remanining work in 3 days. How long does it need for Anju alone complete the work?

A. $37\dfrac{1}{2}days$

B. 22 days

C. 31 days

D. 22 days

Answer: A

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10. "SANJAY Book Depot" can print one lakhs books in 8 hours. "DEVINDER & Sons" can print the same number of books in 10 hours while "HARISH & Sons" can print the same in 12

hours. All of them started printing at 0900 hrs. "SANJAY" is stopped at 1100 hrs and the remanining two machines complete the remaining leftover work. Approximately at what time will the printing of one lakhs books be completed?

A. 1500 hrs

B. 1400 hrs

C. 1400 hrs

D. 1200 hrs

Answer: C

11. A can finish a work in 18 days and B can do the same work 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

(B) 5

(D) 8

(C) 6

A. 8

B. 5

C. 4

D. 6

Answer: D

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12. If 3 men and 7 women can complete a work in 10 days and 4 men and 6 women need 8 days to complete the same work. In how many days will 10 women complete the same work?

A. 50

B. 40

C. 30

D. 20

Answer: B

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13. A and B can finish a work 30 days if they work together. They worked together for 20 days and then B left. A finished the remaining

work in another 20 days. In how many days A
alone can finish the work?

A. 60

B. 50

C. 40

D. 30

Answer: A

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14. A can complete a work in 12 days with a working of 8 hours per day. B can complete the same work in 8 days when working 10 hours a day. If Both start the work together, working 8 hours a day, the work can be completed in __ days.

A. $5\dfrac{5}{11}$

B. $4\dfrac{5}{11}$

C. $6\dfrac{4}{11}$

D. $6\dfrac{5}{11}$

Answer: A

15. Sabir is thrice as good as Anish in work. Sabir is able to finish a job in 60 days less than Anish. Both can finish the work in - days working together.

A. 9

B. 11

C. 13

D. 15

Answer: C

16. P,Q and R can complete a work in 12,24 and 6 days respectively. The work will be completed in __ days if all of them are working together.

A. 7

B. 24/7

C. 8/7

D. 9

Answer: B

17. 10 महिलाये एक कार्य को 7 दिनों में पूरा कर सकती है और 10 बच्चे 14 दिनों में एक कार्य पूरा करते है। 5 महिलाओ और 10 बच्चो को यह कार्य पूरा करने में कितने दिन लगेंगे ?

A. 5

B. 6

C. 7

D. 8

Answer: X

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18. NiNAl can alone complete a work in 20 days. Suresh is 25% more efficient than her. He can complete the work in __ days.

A. 14

B. 16

C. 18

D. 20

Answer: B

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19. Mohan and Sohan are working on a assignment. Mohan takes 6 hours to type 32 pages on a computer while Sohan 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. 7 hour 15 minutes

B. 7 hour 30 minutes

C. 8 hour 15 minutes

D. 8 hour 30 minutes

Answer: C

20. Pruthi and Shakil can complete a work in 20 days and 12 days respectively. Pruthi alone started the work and Shakil joined him after 4 days till the completion of the work. How long dd the work last?

A. 5 days

B. 10 days

C. 14 days

D. 22 days

Answer: B

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