ARITHMETIC

Time and Work Worksheet

For students preparing for MAH-B.BCA/BBA/BMS/BBM CET 2024 for admission to BCA, BBA, BMS, BBM

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1. 18 boys can do a piece of work in 24 days. In how many days can 27 boys do the same work?
   - A. 16
   - B. 32
   - C. 23
   - D. 48

2. How many days will 1648 persons take to construct a dam, if 721 persons can build the same in 48 days?
   - A. 21 days
   - B. 20 days
   - C. 23 days
   - D. 24 days

3. If 10 persons can do a job in 20 days, then 20 persons with twice the efficiency can do the same job in :
   - A. 5 days
   - B. 10 days
   - C. 20 days
   - D. 40 days

4. A and B can separately do a piece of work in 6 days and 12 days respectively. How long will they together take to do the work?
   - A. 9 days
   - B. 18 days
   - C. 6 days
   - D. 4 days

5. A job can be completed by 12 men in 12 days. How many extra days will be needed to complete the job if, 6 men leave after working for 6 days?
   - A. 3
   - B. 6
   - C. 12
   - D. 24

6. A and B can do a piece of work in 12 days and 15 days, respectively. They began to work together but A left after 4 days. In how many more days would B alone complete the remaining work?
   - A. 20/3
   - B. 25/3
   - C. 6
   - D. 5

7. Amogh, Bhavan and Chandini can do a piece of work in 90, 30 and 45 days respectively. If they work together, in how many days will they complete the work?
   - A. 15
   - B. 10
   - C. 20
   - D. 25

8. Amartya can do a piece of work in 12 days and Amartya with the help of Bindusara can do the work in 8 days. In how much time can Bindusara alone do the work?

A. 22 days
B. 26 days
C. 24 days
D. 20 days

9. Achyuth and Bhaskar can do a piece work in 18 days. Bhaskar and Chinmayee can complete the same work in 30 days while Achyuth and Chinmayee can complete it in 22½ days. In how many days can Achyuth, Bhaskar and Chinmayee individually do the work?

A. 30,45, 60
B. 45, 60, 90
C. 60, 45, 90
D. 30, 45, 90

10. X, Y and Z have to type 480 pages to finish an assignment. X can type a page in 12 minutes, Y can type a page in 15 minutes and Z can type a page in 60 minutes. If they divide the task into three parts so that all three of them spend an equal amount of time in typing, what is the number of pages that Z should type?

A. 48
B. 66
C. 12
D. 54

11. A, B and C can do a piece of work in 15, 30 and 45 days respectively. C started the work. A and B joined after 1 day. In how many days was the total work completed?

A. 6
B. 8
C. 7
D. 9

12. If Anindya is thrice as fast as Bhushan and together they can do a piece of work in 27 days, then in how many days Anindya alone can complete the work?

A. 30
B. 54
C. 42
D. 36

13. Sreedhar, and Sravan together can do a piece of work in 25 days. With the help of Pavan, they completed the work in 8 days and ear 7225. What is the share of Sravan if Sreedhar alone can do the work in 75 days?

A. Rs. 64
B. Rs. 52
C. Rs. 48
D. Rs. 58

14. Vinay and Varma can do a piece of work in 30 days and 60 days respectively: If they work on alternate days beginning with Vinay in how many days will the work be completed?

A. 45 days
B. 50 days
C. 35 days
D. 40 days

15. Eight men or 12 women or 20 boys can do a work in 36 days. In how many days can 6 men, 12 women. and 10 boys together do the work?

A. 14
B. 12
C. 10
D. 16

16. Eight men or ten boys can do a work in 36 days. In how may days can 16 men and 5 boys do the work?

A. 14 3/5
B. 15 2/5
C. 14 2/5
D. 15 3/5

17. A group of 215 men can construct a 677 m long wall in 13.5 days. How many men are required to construct a wall twice the length of the wall in half the time?

A. 860
B. 840
C. 880
D. 430

Answer Key

1. A	2. A	3. A	4. D	5. B	6. C	7. A	8. C	9. D	10. A
11. D	12. D	13. C	14. D	15. D	16. C	17. A	18. C		