

GS FOUNDATION (2023-24) WORKSHEET 13
&
CSAT FOUNDATION 1.0 (2023-24) WORKSHEET 15
TIME AND WORK

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1. When A and B work together they can finish a work in 12 days whereas B can finish it alone in 20 days. Calculate the time taken by A alone to finish the work?
 - A. 20 days
 - B. 25 days
 - C. 1 month
 - D. 30 days

 2. Two friends A & B can do a work alone in 12 and 8 days respectively. What is the fraction of work done in 4 days if they work together?
 - A. $\frac{2}{3}$ rd
 - B. $\frac{3}{4}$ th
 - C. $\frac{4}{5}$ th
 - D. $\frac{5}{6}$ th

 3. If P, Q, R finish the work in 10, 12 and 15 days respectively when working alone. How many days it would take to finish $\frac{3}{4}$ th of work if they work together?
 - A. 1 day
 - B. 2 days
 - C. 3 days
 - D. 4 days

 4. Pipe A and pipe B can fill a tank in 45 hours and 40 hours respectively. they were opened together but pipe A was closed after few hours and then pipe B filled the remaining tank in 23 hours. After how many hours was pipe A closed?
 - A. 7 hours 30 minutes
 - B. 9 hours
 - C. 10 hours 11 minutes
 - D. 10 hours 22 minutes

 5. There is a leak in the bottom of the tank. This leak can empty a full tank in 8 hours. When the tank is full, a tap is opened into the tank which intakes water at rate of 6L/hour and the tank is now emptied in 12 hours. What is the capacity of the tank?
 - A. 120 litres
 - B. 128 litres
 - C. 144 litres
 - D. 256 litres

6. A can do $\frac{1}{2}$ of a work in 5 days; B can do 0.6 of the work in 9 days and C can do $\frac{2}{3}$ of the work in 8 days. Working together in how many days they will be able to complete the work?

- A. 2 days
- B. 3 days
- C. 4 days
- D. 6 days

7. A is thrice as good as B. If together they finish the work in 15 days, how many days would it take for B alone to finish the job?

- A. 20 days
- B. 24 days
- C. 45 days
- D. 60 days

8. A does 20% less work than B. If A can complete a piece of work in 7.5 hours, what is time in which B can do it?

- A. 6 hours
- B. 9 hours
- C. 9.33 hours
- D. 9.5 hours

(No need to calculate! Only 6 is less than 7.5)

9. A and B, working separately can do a piece of work in 20 days and 30 days respectively. For some days, they worked together and then B left the work. If the remaining work was finished by A in 10 days, for how many days did B work?

- A. 3 days
- B. 6 days
- C. 9 days
- D. 12 days

10. Military camp is having the provisions for 300 people consuming 600 grams daily for 75 days. They are joined by 60 more men and daily ration was reduced by 100 grams. How long will the provisions last approximately?

- A. 61 days
- B. 67 days
- C. 75 days
- D. 88 days

Solutions:

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|------|------|-------|
| 1. D | 5. C | 9. B |
| 2. D | 6. C | 10. C |
| 3. C | 7. D | |
| 4. B | 8. A | |