



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



Sub: Arithmetic
Duration: 40 Min

Class: 7
Worksheet 06
TIME AND WORK

Date: 23.11.20
Full Marks: 15

Choose the correct options:

1. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is :

A. $\frac{1}{4}$
B. $\frac{1}{10}$
C. $\frac{7}{15}$
D. $\frac{8}{15}$
2. A can lay railway track between two given stations in 16 days and B can do the same job in 12 days. With help of C, they did the job in 4 days only. Then, C alone can do the job in:

A. $9 \frac{1}{5}$ days
B. $9 \frac{2}{5}$ days
C. $9 \frac{3}{5}$ days
D. 10 days
3. A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

A. 12 days
B. 15 days
C. 16 days
D. 18 days
4. A is thrice as good as workman as B and therefore is able to finish a job in 60 days less than B. Working together, they can do it in:

A. 20 days
B. $22 \frac{1}{2}$ days
C. 25 days
D. 30 days
5. A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?

A. Rs. 375
B. Rs. 400
C. Rs. 600
D. Rs. 800
6. If 6 men and 8 boys can do a piece of work in 10 days while 26 men and 48 boys can do the same in 2 days, the time taken by 15 men and 20 boys in doing the same type of work will be:

- A. 4 days
 B. 5 days
 C. 6 days
 D. 7 days
7. 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. 8 hours
 B. 10 hours
 C. 12 hours
 D. 24 hours
8. 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 it in:
- A. 15 days
 B. 20 days
 C. 25 days
 D. 30 days
9. A does 80% of a work in 20 days. He then calls in B and they together finish the remaining work in 3 days. How long B alone would take to do the whole work?
- A. 23 days
 B. 37 days
 C. $37\frac{1}{2}$ days
 D. 40 days
10. A machine P can print one lakh books in 8 hours, machine Q can print the same number of books in 10 hours while machine R can print them in 12 hours. All the machines are started at 9 A.M. while machine P is closed at 11 A.M. and the remaining two machines complete work. Approximately at what time will the work (to print one lakh books) be finished ?
- A. 11:30 A.M.
 B. 12 noon
 C. 12:30 P.M.
 D. 1:00 P.M.
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. $5\frac{1}{2}$
 C. 6
 D. 8

12. 4 men and 6 women can complete a work in 8 days, while 3 men and 7 women can complete it in 10 days. In how many days will 10 women complete it?
- A. 35
 - B. 40
 - C. 45
 - D. 50
13. A and B can together finish a work 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 A alone can finish the work?
- A. 40
 - B. 50
 - C. 54
 - D. 60
14. 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 hours a day, in how many days can they complete the work?
- A.5 5/11
 - B.5 6/11
 - C.6 5/11
 - D.6 6/11
15. 10 women can complete a work in 7 days and 10 children take 14 days to complete the work. How many days will 5 women and 10 children take to complete the work?
- A. 3
 - B. 5
 - C. 7
 - D. None of these