



# ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



**Sub: Arithmetic**  
**Duration: 40 Min**

**Class: 7**  
**Worksheet Solution 06**  
**TIME AND WORK**

**Date: 23.11.20**  
**Full Marks: 15**

**Choose the correct options:**

- 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.  $\frac{8}{15}$**
- 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
- 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
- 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
- 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
- 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 ½ 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 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