EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Time and Work

Grade : ICSE Grade VII

1. A and B can do a work in 7 days , B and C can do it in $3\frac{13}{19}$ days and C and A can do it in $3\frac{13}{19}$ days . In how much time can each of them do it seperately?

(i) $(15\text{ days}, 15\text{ days}, 5\text{ days})$ (ii) $(14\text{ days}, 14\text{ days}, 6\text{ days})$ (iii) $(15\text{ days}, 14\text{ days}, 5\text{ days})$ (iv) $(14\text{ days}, 15\text{ days}, 5\text{ days})$ (v) $(14\text{ days}, 14\text{ days}, 5\text{ days})$

2. A and B together can do a piece of work in $3\frac{1}{2}$ days . They work together for 1 day and then A leaves. B completes the remaining work in 5 days . In how much time can each of them do the work seperately?

(i) $(8\text{ days}, 7\text{ days})$ (ii) $(7\text{ days}, 6\text{ days})$ (iii) $(6\text{ days}, 7\text{ days})$ (iv) $(7\text{ days}, 8\text{ days})$ (v) $(7\text{ days}, 7\text{ days})$

3. A and B together can do a piece of work in 5 hr . They work together for 2 hr and then A leaves. B completes the remaining work in 6 hr . In how much time can each of them do the work seperately?

(i) $(11\text{ hr}, 10\text{ hr})$ (ii) $(9\text{ hr}, 10\text{ hr})$ (iii) $(10\text{ hr}, 10\text{ hr})$ (iv) $(10\text{ hr}, 11\text{ hr})$ (v) $(10\text{ hr}, 9\text{ hr})$

4. A and B can do a work in 5 days , B and C can do in 6 days and C and A can do in 6 days . If all three work together, in how many days will the work be completed?

(i) $3\frac{1}{4}$ days (ii) $4\frac{1}{4}$ days (iii) $3\frac{3}{4}$ days (iv) $4\frac{1}{2}$ days (v) $3\frac{1}{2}$ days

5. 3 skilled men can do a work in 7 days . 8 unskilled men can do the same work in 4 days . In how many days can 6 skilled and 9 unskilled men do the same work?

(i) $1\frac{99}{127}$ days (ii) $1\frac{97}{127}$ days (iii) $1\frac{97}{125}$ days (iv) $1\frac{95}{127}$ days (v) $1\frac{97}{129}$ days

6. A can do a work in 4 days . With the help of B, A can do the same work in $2\frac{2}{9}$ days . In how many days can B alone do the work?

(i) 5 days (ii) 4 days (iii) 6 days (iv) 2 days (v) 8 days

7. A, B, C, D, and E can do a piece of work in 11 hr , 10 hr , 5 hr , 15 hr and 9 hr respectively. Who has the greatest capacity to do work?

(i) D (ii) B (iii) C (iv) A (v) E

8. A can do a work in 5 days and B can do the same work in 4 days.
If they work together, in how much time is the work completed?

(i) $2\frac{2}{7}$ days (ii) 2 days (iii) $2\frac{2}{11}$ days (iv) $2\frac{4}{9}$ days (v) $2\frac{2}{9}$ days

9. A can do a piece of work in 14 days, B can do the work in 12 days
and C in 8 days respectively. In how much time can they do it together?

(i) $3\frac{27}{49}$ days (ii) $3\frac{27}{47}$ days (iii) $3\frac{29}{47}$ days (iv) $3\frac{25}{47}$ days (v) $3\frac{3}{5}$ days

10. Two pipes can fill a tank in 8 min and 20 min respectively. Both pipes are
opened together and after some time the first pipe is closed and the tank
becomes full in 10 min from the time when both pipes are opened. For how much time was first pipe open?

(i) 5 min (ii) 7 min (iii) 1 min (iv) 3 min (v) 4 min

11. A and B can do a work in 12 days and 6 days respectively.
They together undertook to do a piece of work for ₹16200.00.
What is the share of B?

(i) ₹10801.00 (ii) ₹5398.00 (iii) ₹10799.00 (iv) ₹5400.00 (v) ₹10800.00

12. A sum of ₹1110.00 will be given to do a work.
A and B can do it in $3\frac{3}{13}$ days.
B and C can do in $4\frac{5}{18}$ days. C and A can do in $3\frac{15}{17}$ days.
How much A, B and C respectively will get if all three work together?

(i) (₹396, ₹252, ₹462) (ii) (₹252, ₹462, ₹396) (iii) (₹462, ₹396, ₹252) (iv) (₹252, ₹396, ₹462)
(v) (₹462, ₹252, ₹396)

13. P and Q can do together a piece of work in $3\frac{3}{7}$ days.
After they have worked together for 2 days, P stops.
Q completes the remaining work in $2\frac{1}{2}$ days.
In how many days can Q alone do the work?

(i) 5 days (ii) 6 days (iii) 7 days (iv) 8 days (v) 3 days

14. A, B and C together can do a work in $\frac{12}{13}$ days.
If A and C can do the work in 3 days and 4 days respectively,
in how many days can B alone do the work?

(i) 2 days (ii) 1 day (iii) 3 days (iv) 0 days (v) 5 days

15. 19 men can do a work in 7 days working 4 hours a day.
In how many days can 15 men do the same work, working 9 hours a day?

(i) $3\frac{127}{137}$ days (ii) $3\frac{43}{45}$ days (iii) $3\frac{127}{135}$ days (iv) $3\frac{25}{27}$ days (v) $3\frac{127}{133}$ days

16. A and B can do a piece of work in 12 days and 20 days respectively. They work together for 2 days and then B leaves. In how many days the whole work is completed?

(i) $11\frac{1}{5}$ days (ii) $10\frac{4}{7}$ days (iii) $11\frac{1}{3}$ days (iv) $10\frac{4}{5}$ days (v) $10\frac{2}{5}$ days

17. Due to a leak at the bottom, pipe Y takes 6 hr to fill the tank. The leak alone can empty the full tank in 30 hr. In what time can pipe Y alone fill the tank when the leak is closed?

(i) 5 hr (ii) 3 hr (iii) 6 hr (iv) 7 hr (v) 4 hr

18. A, B, C, D, and E can do a piece of work in 9 days, 15 days, 12 days, 5 days and 11 days respectively. Who has the greatest capacity to do work?

(i) A (ii) D (iii) B (iv) C (v) E

19. A certain number of men can do a work in 40 days. If there were 6 men more, it would take 5 days less to complete the work. How many men are required to complete the work in 56 days?

(i) 29 (ii) 30 (iii) 33 (iv) 31 (v) 27

20. Pipe A can fill a tank in 3 hr and pipe B can empty the full tank in 21 hr. If both the pipes are opened together, in how much time will the tank become full?

(i) $3\frac{1}{2}$ hr (ii) 4 hr (iii) $3\frac{1}{4}$ hr (iv) $2\frac{1}{2}$ hr (v) $4\frac{1}{2}$ hr

21. A and B can do a work in $4\frac{4}{9}$ hr, B and C can do it in 6 hr and C and A can do it in $5\frac{5}{23}$ hr. In how much time can each of them do it seperately?

(i) (9 hr, 10 hr, 15 hr) (ii) (8 hr, 10 hr, 16 hr) (iii) (9 hr, 11 hr, 15 hr) (iv) (8 hr, 11 hr, 15 hr)

(v) (8 hr, 10 hr, 15 hr)

22. A can do $\frac{1}{5}$ of a work in $2\frac{1}{5}$ hr. He works for 4 hr when B joins him. They work together and complete the work in $3\frac{19}{24}$ hr. In how much time, B alone can do the work?

(i) 11 hr (ii) 14 hr (iii) 13 hr (iv) 12 hr (v) 16 hr

23. A can do a piece of work in 9 hr, B can do the work in 5 hr and C in 14 hr respectively. In how much time can they do it together?

(i) $2\frac{148}{243}$ hr (ii) $2\frac{150}{241}$ hr (iii) $2\frac{148}{239}$ hr (iv) $2\frac{146}{241}$ hr (v) $2\frac{148}{241}$ hr

24. A sum of ₹1845.00 will be given to do a work.

A and B can do it in $4\frac{8}{19}$ hr.

B and C can do in $4\frac{17}{22}$ hr. C and A can do in $6\frac{2}{3}$ hr.

How much A, B and C respectively will get if all three work together?

(i) (₹420,₹900,₹525) (ii) (₹900,₹420,₹525) (iii) (₹420,₹525,₹900) (iv) (₹525,₹900,₹420)

(v) (₹525,₹420,₹900)

25. 2 men take 5 days to complete a work.

How much work is done by one man in one day?

(i) $\frac{1}{10}$ (ii) $\frac{1}{5}$ (iii) $\frac{1}{2}$ (iv) $(\frac{-1}{10})$ (v) $\frac{3}{10}$

Assignment Key

1) (v)	2) (v)	3) (iii)	4) (iii)	5) (ii)	6) (i)
7) (iii)	8) (v)	9) (ii)	10) (v)	11) (v)	12) (iii)
13) (ii)	14) (i)	15) (iii)	16) (iv)	17) (i)	18) (ii)
19) (ii)	20) (i)	21) (v)	22) (iii)	23) (v)	24) (iv)
25) (i)					