



1. A can do a work in 3 days and B can do the same work in 9 days .  
If they work together, in how much time is the work completed?

(i)  $2\frac{1}{4}$  days (ii)  $2\frac{1}{6}$  days (iii)  $2\frac{1}{2}$  days (iv)  $1\frac{3}{4}$  days (v)  $2\frac{3}{4}$  days

2. A can do a work in 8 days . With the help of B, A can do the same work in 4 days . In how many days can B alone do the work?

(i) 11 days (ii) 9 days (iii) 7 days (iv) 8 days (v) 5 days

- A and B can do a work in 8 days , B and C can do in 7 days  
3. and C and A can do in 5 days . If all three work together,  
in how many days will the work be completed?

(i)  $4\frac{34}{131}$  days (ii)  $4\frac{36}{133}$  days (iii)  $4\frac{38}{131}$  days (iv)  $4\frac{12}{43}$  days (v)  $4\frac{36}{131}$  days

- A and B can do a piece of work in 11 days and 18 days respectively.  
4. They work together for 5 days and then B leaves.  
In how many days the whole work is completed?

(i)  $7\frac{17}{18}$  days (ii)  $7\frac{17}{20}$  days (iii)  $8\frac{1}{18}$  days (iv)  $8\frac{1}{16}$  days (v)  $7\frac{5}{6}$  days

5. 7 men take 4 days to complete a work.  
How much work is done by one man in one day?

(i)  $\frac{1}{4}$  (ii)  $\frac{1}{28}$  (iii)  $\frac{1}{7}$  (iv)  $(\frac{-1}{28})$  (v)  $\frac{3}{28}$

6. 13 men can do a work in 17 days working 7 hours a day.  
In how many days can 19 men do the same work, working 10 hours a day?

(i)  $8\frac{27}{190}$  days (ii)  $8\frac{29}{190}$  days (iii)  $8\frac{9}{64}$  days (iv)  $8\frac{27}{188}$  days (v)  $8\frac{5}{38}$  days

- 3 men and 5 women can do a piece of work in 10 days.  
7. 5 men and 4 women can do the same work in 10 days.  
In how many days can 5 men and 3 women complete the same work?

(i)  $11\frac{9}{13}$  days (ii)  $11\frac{7}{11}$  days (iii)  $11\frac{9}{11}$  days (iv) 12 days

- 7 skilled men can do a work in 5 days .  
8. 7 unskilled men can do the same work in 8 days .  
In how many days can 2 skilled and 5 unskilled men do the same work?

(i)  $6\frac{34}{39}$  days (ii)  $6\frac{34}{43}$  days (iii)  $6\frac{32}{41}$  days (iv)  $6\frac{34}{41}$  days (v)  $6\frac{36}{41}$  days

A, B and C together can do a work in  $1\frac{1}{11}$  days .

9. If A and C can do the work in 4 days and 3 days respectively, in how many days can B alone do the work?
- (i) 1 day (ii) 5 days (iii) 2 days (iv) 3 days (v) 4 days

A certain number of men can do a work in 20 days .

10. If there were 36 men less, it would take 20 days more to complete the work. How many men are required to complete the work in 32 days ?
- (i) 42 (ii) 48 (iii) 45 (iv) 44 (v) 46

A and B can do a work in 9 days and 3 days respectively.

11. They together undertook to do a piece of work for ₹9600.00 . What is the share of B?
- (i) ₹7200.00 (ii) ₹2400.00 (iii) ₹7199.00 (iv) ₹2398.00 (v) ₹7201.00

A and B can do a work in 18 days and 10 days respectively.

12. If they work on alternate days and A begins the work, in how many days can it be completed?
- (i) 16 days (ii) 14 days (iii) 13 days (iv) 12 days (v) 15 days

Person P is four times as good a workman as Person Q.

13. They can do a work together in  $2\frac{2}{5}$  days . In how many days Q alone can do the work?
- (i) 12 days (ii) 11 days (iii) 13 days (iv) 15 days (v) 10 days

P and Q can do together a piece of work in  $3\frac{15}{16}$  days .

14. After they have worked together for 2 days , P stops. Q completes the remaining work in  $4\frac{3}{7}$  days . In how many days can Q alone do the work?
- (i) 10 days (ii) 6 days (iii) 8 days (iv) 9 days (v) 12 days

A can do a piece of work in 14 hr and B in 9 hr .

A does the work for 3 hr before B join A to work together.

15. Again after 2 hr C joins both A and B to complete the work in  $1\frac{16}{37}$  hr . In how much time C alone can do the work?
- (i) 11 hr (ii) 10 hr (iii) 8 hr (iv) 9 hr (v) 7 hr

A, B, C, D, and E can do a piece of work in

16. 12 hr , 15 hr , 8 hr , 6 hr and 14 hr respectively. Who has the greatest capacity to do work?
- (i) C (ii) E (iii) D (iv) A (v) B

A, B, C, D, and E can do a piece of work in

17. 10 days , 14 days , 5 days , 8 days and 9 days respectively. Who has the greatest capacity to do work?
- (i) D (ii) E (iii) A (iv) B (v) C

A and B can do a work in  $5\frac{23}{24}$  hr, B and C can do it in  $3\frac{11}{18}$  hr

18. and C and A can do it in  $3\frac{7}{16}$  hr. In how much time can each of them do it separately?
- (i) (12 hr, 13 hr, 5 hr) (ii) (11 hr, 13 hr, 5 hr) (iii) (11 hr, 14 hr, 5 hr) (iv) (12 hr, 14 hr, 5 hr)
- (v) (11 hr, 13 hr, 6 hr)

A and B can do a work in  $6\frac{1}{2}$  days, B and C can do it in  $4\frac{20}{21}$  days

19. and C and A can do it in  $4\frac{20}{21}$  days. In how much time can each of them do it separately?
- (i) (13 days, 14 days, 8 days) (ii) (13 days, 13 days, 8 days) (iii) (13 days, 13 days, 9 days)
- (iv) (14 days, 13 days, 8 days) (v) (14 days, 14 days, 8 days)

20. A can do a piece of work in 11 hr, B can do the work in 8 hr and C in 9 hr respectively. In how much time can they do it together?

(i)  $3\frac{15}{259}$  hr (ii)  $3\frac{13}{259}$  hr (iii)  $3\frac{17}{259}$  hr (iv)  $3\frac{15}{257}$  hr (v)  $3\frac{5}{87}$  hr

21. A can do a piece of work in 13 days, B can do the work in 9 days and C in 14 days respectively. In how much time can they do it together?

(i)  $3\frac{73}{85}$  days (ii)  $3\frac{363}{427}$  days (iii)  $3\frac{363}{425}$  days (iv)  $3\frac{121}{141}$  days (v)  $3\frac{361}{425}$  days

A and B together can do a piece of work in  $4\frac{2}{17}$  hr.

22. They work together for 2 hr and then A leaves.

B completes the remaining work in  $3\frac{3}{5}$  hr.

In how much time can each of them do the work separately?

(i) (9 hr, 7 hr) (ii) (11 hr, 7 hr) (iii) (10 hr, 8 hr) (iv) (10 hr, 7 hr) (v) (10 hr, 6 hr)

A and B together can do a piece of work in  $3\frac{15}{17}$  days.

23. They work together for 1 day and then A leaves.

B completes the remaining work in  $4\frac{5}{11}$  days.

In how much time can each of them do the work separately?

(i) (11 days, 7 days) (ii) (11 days, 6 days) (iii) (10 days, 6 days) (iv) (11 days, 5 days) (v) (12 days, 6 days)

A can do  $\frac{10}{14}$  of a work in  $5\frac{5}{7}$  hr.

24. He works for 3 hr when B joins him.

They work together and complete the work in  $2\frac{17}{19}$  hr.

In how much time, B alone can do the work?

(i) 12 hr (ii) 13 hr (iii) 11 hr (iv) 10 hr (v) 8 hr

A can do  $\frac{3}{9}$  of a work in 2 days .

He works for 2 days when B joins him.

25. They work together and complete the work in  $2\frac{2}{7}$  days .

In how much time, B alone can do the work?

(i) 7 days (ii) 5 days (iii) 8 days (iv) 10 days (v) 9 days

A can construct  $\frac{3}{7}$  of a wall in  $2\frac{4}{7}$  hr .

B can construct  $\frac{6}{7}$  of the wall in  $4\frac{2}{7}$  hr .

26. C can construct  $\frac{2}{6}$  of the wall in  $2\frac{2}{3}$  hr .

If all three work together, in how much time will they

construct  $\frac{2}{9}$  of the wall?

(i)  $\frac{82}{177}$  hr (ii)  $\frac{80}{177}$  hr (iii)  $\frac{16}{35}$  hr (iv)  $\frac{26}{59}$  hr (v)  $\frac{80}{179}$  hr

A can construct  $\frac{2}{10}$  of a wall in  $1\frac{1}{5}$  days .

B can construct  $\frac{1}{5}$  of the wall in  $1\frac{1}{5}$  days .

27. C can construct  $\frac{1}{8}$  of the wall in  $\frac{7}{8}$  days .

If all three work together, in how much time will they

construct  $\frac{1}{7}$  of the wall?

(i)  $\frac{1}{10}$  days (ii)  $\frac{3}{8}$  days (iii)  $\frac{1}{2}$  days (iv)  $\frac{1}{4}$  days (v)  $\frac{3}{10}$  days

A, B and C can together do a piece of work in  $2\frac{10}{23}$  hr .

28. B and C can do it in  $3\frac{11}{15}$  hr .

C alone can do it in 7 hr .

In how much time A and C can do the work together?

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

A, B and C can together do a piece of work in  $2\frac{10}{23}$  days .

29. B and C can do it in  $3\frac{11}{15}$  days .

C alone can do it in 7 days .

In how much time A and C can do the work together?

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

A sum of ₹6375.00 will be given to do a work.

A and B can do it in  $6\frac{20}{27}$  hr.

30.

B and C can do in  $5\frac{11}{23}$  hr. C and A can do in  $5\frac{7}{22}$  hr.

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

- (i) (₹1890, ₹2730, ₹1755) (ii) (₹1755, ₹2730, ₹1890) (iii) (₹1890, ₹1755, ₹2730) (iv) (₹2730, ₹1890, ₹1755)  
(v) (₹2730, ₹1755, ₹1890)

A sum of ₹147.00 will be given to do a work.

A and B can do it in 4 days.

31.

B and C can do in  $3\frac{3}{4}$  days. C and A can do in  $5\frac{5}{11}$  days.

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

- (i) (₹35, ₹42, ₹70) (ii) (₹42, ₹70, ₹35) (iii) (₹70, ₹42, ₹35) (iv) (₹35, ₹70, ₹42) (v) (₹42, ₹35, ₹70)

## Assignment Key

1) (i)	2) (iv)	3) (v)	4) (i)	5) (ii)	6) (i)
7) (iii)	8) (iv)	9) (iv)	10) (iii)	11) (i)	12) (ii)
13) (i)	14) (iv)	15) (iv)	16) (iii)	17) (v)	18) (ii)
19) (ii)	20) (i)	21) (iii)	22) (iv)	23) (ii)	24) (iii)
25) (iii)	26) (ii)	27) (v)	28) (ii)	29) (iii)	30) (iii)
31) (iv)					