## **QUANTITATIVE ABILITY - TIME AND WORK (BASIC)**

Directions for que	stions 1 to 5:			
•			ing toys. Mahesh alone can i days and Ramesh can destroy	
Q 1: How much tir	ne will Mahesh and Suresh	take to make all toys	if Mahesh and Suresh work t	ogether?
(a) 20/3 days	(b) 13.5 days	(c) $13\frac{1}{4}$ days	(d) 8.25 days	
Q 2: How much tir	ne will they take to make t	he entire toys if all 3 w	vork together?	
(a) 3 days	(b) 13.5 days	(c) 13 $\frac{1}{4}$ days	(d) 10 days	
	me will Mahesh and Suresing on the first day?		ntire toys and if they work or	າ alternate days
(a) 13 days	(b) 13.5 days	(c) 13 $\frac{1}{4}$ days	(d) 8.25 days	
·	y, Suresh on second day, F		all 3 work on alternate day nd this process repeats till wo (d) Never	
			ne entir <mark>e toys</mark> if they st <mark>art wo</mark>	<mark>or</mark> king together,
	2 days before the schedule			
(a) 6.9 days	(b) 8 <sup>1</sup> / <sub>5</sub> days	(c) 8.5 days	(d) $8\frac{4}{15}$ days	
•	fill a tank in 24 min and 36 ened simultaneously, what (b) 20 min		$\frac{d}{d}$ outlet pipe can empty the tred to fill the tank?  (d) $\frac{360}{13}$ min	ank in 30min. If
	un working by themselves then working together. In h (b) 24		ctively in <mark>8 days</mark> and 18 days	more than what
respectively, wher	nthey are opened separate that is the condition require	ly. Th <mark>e third</mark> tap empti	the taps fill it up in A seconds es the full tank in C seconds. Sure that the tank will actuall (d) A + B> $\frac{C}{2}$	If all are opened
		-	a 30 minutes. Both the taps a more is the tank completely f (d) 12	
Q 10: A factory ha	s 3 stamping machines fo	r stamping, which can	finish a lot in 4, 5 and 6 hou	ırs respectively.

Q 11: A can do (1/3) of a work in 5 days and B can do (2/5) of the work in 10 days. In how many days both A and B together can do the work?

Due to some power problems in the city on Thursdays, only 2 of these machines can work simultaneously at any

(a)  $7\frac{3}{4}$ 

(a) 20/9

(b) 11/15

given point in time. What is the largest part of the job that can be finished in one hour on a Thursday?

(c) 9/20

(d) 10

(d) 5/6

	mps can fill a 100 liters t fill another tank of capac (b) 27 days	_	day. In how many days will 80 pumps,  (d) 13.5 days
Q 13: 7 wrestlers fight f	or 8 hours and lose a tota	al of 20 pounds, how ma	ny more wrestlers fighting would it take ght only half as fast as the original 7?  (d) 14
	days of 8 hours each to n do as much work as 2 r (b) 21		v many days of 6 hours each would 21 (d) 30
	fill a bucket when the ca if the capacity of each m (b) 14		5 liters. How many mugs will be needed (d) 18
Q 16: 8 women can dig boys can dig a similar p		oman works half as mud	ch again as a boy, then 4 women and 9
(a) 10 hours	(b) 12 hours	(c) 1 <mark>5 hours</mark>	(d) 16 hours
	ls complete a certain pied n how many days will 12 (b)15		ach bo <mark>y takes twice</mark> the time taken by a rk? (d) 12
	n a piece of work in 10 da se to complete the work, (b) 4		yomen to finish it in 10 days. If 15 men y take to complete it? (d) 11
Q 19: If 3 farmers or 4 tractors take to plough	•	eld in 43 days, then the	number of days that 7 farmers and 5
(a) 12	(b) 18	(c) 24	(d) 30
Q 20: 12 men or 18 wo to reap it is:	men can reap a field in 1	4 days. T <mark>he num</mark> ber of d	ays t <mark>hat 8 m</mark> en and 16 women will take
(a) 5	(b) 7	(c) 8	(d) 9
out of a total wages of	Rs.75. A will get:	_	s. If they work together and finish, then
(a) Rs.30	(b) Rs.37.50	(c) Rs.45	(d) Rs.50
Q 22: A can do a certai the same piece of work	is:		The number of days it takes for B to do
(a) 6	(b) $6\frac{1}{4}$	(c) $7\frac{1}{2}$	(d) 8
Q 23: A is thrice as good work in:	T	-	piece of work than B takes. B can do the
(a) 12 days	(b) 15 days	(c) 20 days	(d) 30 days
Q 24: A, B and C toget Rs.76. The daily earning (a) Rs.75		while A and C together (c) Rs.34	earn Rs.94 and B and C together earn (d) Rs.20
Q 25: A can complete a	job in 9 days B in 10 days	and C in 15 days. B and	C start the work and are forced to leave
•	aken to complete the re	•	
(a) 6 days	(b) 9 days	(c) 10 days	(d) 13 days

# **TIME AND WORK – WORKSHEET (Progressive)**

alone do it?  (a) 30 days	(b) 40 days	(c) 45 days	(d) 60 days
the entire work in 12 d Rahul work on first day	· ·	Il they take to complete Pappu on 3rd day and s	in 15 days and Pappu alone can destroy the work if they work alternately with so on? (d) None of these
cistern in 9 minutes. Al after one minute. How		nultaneously when the culd it take for the cisterr	vely, and a tap C can empty 60% of the distern was empty. The tap C was closed to be filled?  (d) none of these
	en can do a task in 6 hou 1 man and 1 woman to (b) 12 hours		can do the same task in 4 hours. Nearly  (d) 22 hours
efficiently as she does r	now and Mirza worked h the work done is propor	alf as efficiently as she	in 5 minutes. If Saania worked twice as does now, they could solve the problem and efficiency, how much time would it  (d) none of these
	n the tank is full, the inl		rs. An inlet pipe fills water at the rate of leak, the tank is empty in 16 hrs. How  (d) 12,342
	together, they complete one. How many hours it (b) 38 hours		ne woman completes the work 5 hours to complete the work? (d) 30 hours
Q 8: A does half as much how much time shall B (a) 30 days	take to do it?		er they take 18 days to complete a work,  (d) None of these
	d by a pipe in 20 minute est pipe is shut off. After (b) 12 min.		50 min. Both the pipes are kept open for mpletely filled in (d) 20 min.
The job was finished w group would have finish (a) 6 Q 11: A water tank has	hen the last worker was ned the job in 33% lesser (b) 3 3 taps A, B and C. A fills Ill the taps are opened to	s withdrawn. Had no wo time. The initial numbe (c) 5 4 buckets in 24 minute	ds, one worker was withdrawn each day.  orker been withdrawn at any stage, the er of workers in the group was  (d) 10  s. B fills 8 buckets in 1 hour and C fills 2  aptied in 2 hours. If a bucket contains 5L

(a) 120L	(b) 240L	(c) 180L	(d) 60L
first one. 3 days after the work was complete	he first farmer had begued, it turned out that ea	in working; there was stil	armer begins working one day after the I 9/20 of the field to be ploughed. When exactly half of the field. How many days nself?  (d) 9 days
Q 13: If a man or 2 won by 1 man, 1 woman an (a) 21 days		iece of work in 44 days, t (c) 26 days	hen the same piece of work will be done (d) 33 days
time on the pasture; the farmer. The third farm grazed his cows. The the	he second farmer graze ner grazed some goats hird farmer paid half the	d his 12 cows for twice to for two and a half times	irst farmer grazed his 9 mules for some the time taken by the mules of the first is the time for which the second farmer e. If 6 cows eat as much as 4 mules while n, respectively, pay?  (d) 150, 350
		-	tively but a third pipe 'R' can empty the d then 'R' is also opened. In what time is (d) 45 min.
	leak will take to empty i		eak in its lower part. If the cistern is full, (d) 90min.
Q 17: X is 25% more e receive for the same w (a) 65		nourly wages <mark>are 25%</mark> mo	ore. If X is paid Rs. 75, how much will Y  (d) 110
Q 18: To fill a cistern, p pipes together will take (a) 5 min.		5 & 12 minutes respectives (c) 12 min.	vely. The time in minutes that the three (d) 15.66 min.
•	- ·	build a wall respectively w many days can Jay alor (c) 45	in 16 days and 25 days more than what ne build the wall? (d) None of these
D takes double that of	C to complete the same		taken by A, C takes double that of B and groups of two each. One pair takes twon is the first pair?  (d) A, D

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### **Answer Key - Basic**

1. A	2. D	3.C	4. C	5. D	6. D	7. A	8.C	9. C	10.C
11.C	12.C	13.D	14.D	15.D	16.D	17.D	18.C	19.A	20.D
21.C	22.C	23.B	24.D	25.A					

# **Answer Key - Progressive**

1.d	2.d	3.a	4.d	5.a	6.d	7.c	<b>8</b> .a	9.d	10.b
11.b	12.b	13.b	14.b	15.d	16.d	17.c	18.a	19.b	20.d

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