

Averages & Mixtures

		Practic	e Exercise					
1)	Average of first eigh	nt multiples of 11 is:						
,	a) 48	b) 55	c) 66	d) 44				
2)	What is the average	e of multiples of 7, w	hich lies between 20) and 85?				
	a) 48	b) 49	c) 52	d) 52.5				
3)	If the average of five consecutive numbers is 53, find the largest number							
	a) 57	b) 54	c) 55	d) 60				
4)	The average salary of 10 workers in a factory is Rs.5000. If the salary of the supervisor is							
	included, then the average becomes Rs.5200, find the salary of the supervisor working in							
	the factory?							
	a) Rs. 7,200	b) Rs. 9,500	c) Rs. 8,500	d) Rs. 8,000				
5)	The average age of 17 players is 14 years. If the age of their coach is included, the							
	average age of the group becomes 15 years. How old is the coach?							
	a) 31 years	b) 32 years	c) 38 years	d) 41 years				
6)	Average weight of 20 players in a football academy is increased by 1.5 kgs when one							
	player in the group, of the new player?	, whose weight is 50) kgs is replaced wi	th new player. Find t	he weight			
	a) 80 years	b) 20 years	c) 40 years	d) 70 years				
	a) oo years	b) 20 years	c) 40 years	d) 70 years	years			
7)	The average age of Mr. and Mrs. Sharma and their 4 children is 20 years. If his age is							
	excluded, the average age of remaining members in the family would be 17 years. How							
	old is Mr. Sharma?							
	a) 26	b) 29	c) 30	d) 35				
8)	The average of 7 consecutive numbers starting with m is K, then what is the average o							
	the 3 consecutive numbers starting with m + 3?							
	a) K + 3	b) K – 1	c) K – 2	d) K + 1				
9)	Average age of family of 5 members is 20 years. If age of younger member be 10 years							
	then what was the average of family at the time of birth of youngest member? [TCS]							
	a) 16 years	b) 15 years	c) 12.5 years	d) 13.5 years				



-	The average age of 36 students in a group is 14 years. When teacher's age is included to it, the average increases by one. Find out the teacher's age in years?									
	a) 52 years	b) 51 years	c) 42 years	d) 41 years						
11)	A student's mark was wrongly entered as 83 instead of 63. Due to that the average marks									
	for the class got increased by 0.5 marks. What is the number of students in the class?									
	a) 40	b) 20	c) 30	d) 45						
12)	4 years ago, the average age of 4 members of a family was 19 years. A baby having been									
	born, the average age of the family is the same today. Find the age of the baby?									
	a) 5 years	b) 4 years	c) 3 years	d) 2 years						
13)	The average of runs of a cricket player of 10 innings was 32. How many runs must be made in his next innings so as to increase his average of runs by 4?									
		_	_	_						
	a) 76 runs	b) 74 runs	c) 70 runs	d) 78 runs						
14)	The average weekly salary of 12 workers and 3 managers in a factory was Rs.600. A									
	manager whose salary was Rs.720 was replaced with a new manager, then the average									
	salary of the team fell to Rs.580. What is the salary of the new manager?									
	a) Rs.570	b) Rs.690	c) Rs.640	d) Rs.420						
15)	The average salary of all the workers in a workshop is Rs.8,000. The average salary of 7									
	technicians is Rs.12,000 and the average salary of the rest is Rs.6,000. The total number of									
	workers in the wo	rkshop is								
	a) 20	b) 21	c) 22	d) 23						
16)	The average weekly salary of 10 cleaners and 2 managers in a factory was Rs.5000. When									
	one of the manag	ers whose salary was	Rs.5500, was replac	ed with a new manager, then						
	the average sala	ry of the team went	up to Rs.5300. Wh	at is the salary of the new						
	manager?									
	a) Rs.9000	b) Rs.9600	c) Rs.9100	d) Rs.9200						
17)	A shopkeeper mixes two varieties of pulses to get a mixture of pulses. He uses 1 kg and 4									
	kg of pulses costing Rs.10 and Rs.20 per kg respectively. What is the cost of resultant									
	mixture (in rupees	Per kg)?								
	a) Rs.11	b) Rs.15	c) Rs.17	d) Rs.18						
18)	What is the ratio in which rice at Rs.7.2 per kg is mixed with rice at Rs.5.7 per kg to									
	produce a mixture	worth Rs.6.3 per kg?								
	a) 1:3	b) 2:3	c) 3:4	d) 4 : 5						



10) A trader mirror 26 km of vice at Dr 20 may be with 20 km of vice of another variety of at Dr 26											
19) A trader mixes 26 kg of rice at Rs.20 per kg with 30 kg of rice of another variety of at Rs.36 per kg and sells the mixture at Rs.30 per kg. His profit percentage is:											
	_				bei võ	_	_	ei cein	_		
a) No profit,	no los	S	b) 5 ^o	% 0		c) 8	% 0		а) 10%	
20) In What ratio should two alloys with zinc and tin in the ratio 3 : 5 and 5 : 3 respectively,											
be mixed to	be mixed to get a new alloy containing zinc and tin in the ratio 1:1?										
a) 1:1			b) 5	: 4		c) 2	: 3		d) 1 :4	
21) A container	conta	ins 40	litres	of mill	k. Froi	m this	contai	iner, 4	litres	of milk	were taken out
and replace	d by	water.	This	proces	s was	repea	ted tv	vo moi	re time	s. Hov	v much milk (ir
litres) is no	w cont	tains by	y the	contair	er?						
a) 26.34			b) 2	7.36		c)	28		d) 29.16	
22) A vessel is 1	filled v	with liq	ıuid, 3	parts	of wh	ich are	e wate	er and	5 parts	s are sy	yrup. How much
of the mixtu	ıre mu	ıst be c	lrawn	of and	l repla	ced wi	th wa	ter so	that th	e mixt	ure is half wate
and half syr	up?				_						
a) 1/3			b) 1,	/4		c)	1/5		d) 1/7	
23) In a zoo, th									there	are 20	0 and if legs are
counted the	re are	440. F	low m	any co	ws ar	e there	in the	e zoo?			
a) 180	a) 180		b) 20		c) 150		d) 40				
24) In what rat	24) In what ratio should pulses at the rate of Rs.44 per kg, be mixed with pulses at the rate										
Rs.52 per kg so that if the mixture is sold at the rate of Rs.60 per kg, 20% profit is made?											
											[Infosys]
a) 1:2	a) 1:2 b) 3		b) 3	: 4		c) 2:3 d) 1:) 1 :3			
25) The milk an											
					vesse	els be i	nixed	to obt	aın a n	ew mix	xture in vessel C
containing half milk and half water?											
a) 3:1	1 b) 1 : 3				c) 3 : 2			C	d) 1:2		
<u>Check the Answers</u>											
	1	Α	6	Α	11	Α	16	С	21	D	
	2	D	7	D	12	С	17	D	22	С	
	3	С	8	D	13	Α	18	В	23	В	

В