1	. Two times a two-digit number is	mber is 9 times the nus	umber obtained by reversir	ig the digits and sum of the (MAT Feb - 2010)
	(a) 72	(b) 54	3. 63	(d) 81
2.	The students present in a row there would be 4 le rows. The number of stu	ess rows. However, if	2 students were less in a	ere were 4 students extra in row, there would be 4 more (MAT Feb – 2010)
	(a) 80	(b) 96	(c) 100	(d) 128
3.	One fourth of Nikhil's mo			If both together have ₹ 600, (MAT Feb – 2010)
	(a) ₹ 160	(b) ₹ 240	(c) ₹ 200	(d) ₹ 120
	(a) ₹ 12,500	(b) ₹ 6,250	(c) ₹ 10,000	(d) ₹ 18,750
4.	books and one half of the	e remaining in purcha	asing stationery items. If I	ends 60% of it in purchasing ne saves ₹ 160 every month, stationery items, what is his (MAT Feb – 2010)
	(a) ₹ 8,000	(b) ₹ 4,800	(c) ₹ 9,600	(d) Data inadequate
5		dealership was 15 c	cars per week. After a pror centage increase in the s	motional scheme the average sale of cars was
				(MAT Feb - 2010)
	(a) 40%	(b) 140%	(c) 42%	(d) 39.33%
1	A person on tour has ₹ 3 days which leads to cut programme is	60 for his daily expe ing down daily exp	enses by ₹ 3 a day. The	end his tour programme by 4 e number of days of his tour
(a)	15	(b) 20	(c) 18	(d) 16
0	I bla that of a brown no	air. While preparing wn pairs. This incre	ased the bill by 50%. Th	es. The price of a black pair is mistake and interchanged the re ratio of the number of blad (MAT Feb – 2010)
(a)	4 · 1	(b) 2:1	(c) 1:4	(d) 1 : 2
	have to reach a certain r	place at a certain tin ninutes too soon, if	ne and I find that I shall I I walk at 6 km an hour.	oe 15 minutes too late, if I wa How far have I to walk? (MAT Feb - 20
(2)	25 km	(b) 5 km	(c) 10 km (d) N	one of these
. A of of he he ut	manufacturer produces perations, viz. grinding a polishing whereas produces as 10 grinders and 15 p	s two types of product B takes 3 hours polishers. Each gringer unit of A ar	unit of product A takes of grinding and 2 hours nder operates for 12 h nd B are ₹ 5 and ₹ 7 re	are subjected to two types 2 hours of grinding and 3 hours of polishing. The manufact ours/day and each polished espectively. If the manufact at is the maximum profit that (Xat - 2)
) ₹ 280	(b) ₹ 294	(c) ₹ 515	(d) ₹ 550
		(3) (201	(0) (010	
(e) None of the above			

10	 Let X be a four-digit positi of X is also prime. How n 	ve integer such that the unit nany such integers are poss	digit of X is prime and thible?	he product of all digits (Xat 2010)
	(a) 4	(b) 8	(c) 12	(d) 24
	(e) None of the above			
	DIRECTIONS for question	ons 11 & 12:		
	Illustra and Ed to bidli	oks, music CDs and him DVE t in books. Music CDs contri in rupees from books is 50°	butad 2EO/ towards that	r total gales in runees
11.	If Books and More have e	earned 20% profit overall, th	en in film DVDs they m	nade
	(a) 15.2% profit	(b) 10.0% profit	(c) 10.0% loss	(d) 16.3% loss
	(e) 23.4% loss	toda e bloode gal and ont go		Aman California (1977)
12.	If Books and More made	50% loss in film DVDs, then	n overall they made	
	(a) 12.3% profit	(b) 8.7% profit	(c) 0.4% loss	(d) 6.25% loss
	(e) 20% loss			
13.	The sum of two numbers,	one of which is one-third o	of the other is 36. The s	maller number is:
				(MAT Sept-2009)
	(a) 6	(b) 7	(c) 8	(d) 9
14.	The retail price of a water gains 15% and the retailed	r Geyser is ₹ 1265. If the mer gains 25%, then the cost	nanufacturer gains 10%	6, the wholesale dealer
	(a) ₹800	(b) ₹ 900	(c) ₹700	(d) ₹ 600
		property for his wife, one-the was worth ₹ 45000, how	nird for his son and the	reminder for his daugh-
				(MAT Sept-2009)
	(a) ₹ 245000	(b) ₹ 260000	(c) ₹ 270000	(d) ₹ 275000
	A machine is sold at a	profit of 10%. Had it b t was the cost price of the	een sold for ₹ 40 le	
	(a) ₹ 175	(b) ₹ 200	(c) ₹ 225	(d) None of these
17.		ice would be 34% of cos	0.00 0.00	t is 26% of the selling (MAT Sept-2009)
	(a) 17.16%	(b) 74%	(c) 25.16%	(d) 88.40%
	(a) 17.10%	ty is diminished by 10%	***	
18. 7	The effect on the revenue	derived from it is K% cha	inge. Find the value of	rk. (MAI Sept-2009)
((b) 2	(c) -1	(d) -2
1	and the solour n	omputer system and a colorinter at 20% gain, he wo and the colour printer at 1 the colour printer?	uld not loose anvining	q. Dut II He sells the com-
1	a) ₹ 8000	(b) ₹ 16000	(c) ₹ 9000	(d) ₹ 5334
0. O	ne type of liquid contains ith 6 parts of the first liqu	25% of milk the other ty	pe of liquid contains nd liquid. Find the pe	30% of milk. A can is filled rcentage of milk in the new (MAT Sept-2009)
	ixture.	(b) 27%	(c) 50%	(d) 13%
(a	1) 23%	(D) 2770		
I. A se	solution of sugar syrup econd solution must be a	has 15% sugar. Another added to 20 litres of the fi	irst solution to make	gar. How many litres of the a solution of 10% sugar? (MAT Sept-2009)
(a) 10 litres	(b) 5 litres	(c) 15 litres	(d) 20 litres

94		hanged from a flat cor	nmission of 5% on all his s eding ₹ 4,000. If his remui e, what were his sales wo	neration as per the new
22	A salesman's terms were	ssion on all sales exce	eding ₹ 4,000. If his remained to the property of the propert	(MAT Sept-2009
0.00	₹ 1,000 plus 2.5% commore t	han by the first solve		(d) ₹ 12, 000
	Scriente	(b) ₹ 17, 000	(c) ₹ 16, 000	1
	(a) ₹ 11, 000	(b) ₹ 17, 000	ore water than when it is	662% full. What is the
	(6)	n it contains 2 litres m	ore water than when	(MAT Sept-200.
23.	. If a bucket is 80% full, the	III II COME		(1817.1 - 2012.003)
	of the bucket?		46 ² litres	(d) 20 littles
		(b) 15 litres	(c) 3	ix with 30 kgs of ordinary
102.00	(a) 10 miles	rice costing ₹40 per k	g should a shopkeeper mi t of 20% on selling the mix	xture at ₹ 30 per kg?
24.	How many kgs of basins and the costing ₹20 per kg so	that he makes a prom	(0) 20% 0	
			(-) 10	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
	(a) 6	(b) 12	1.00	of 24%. What will bethe
25	By selling an article at 60°	% of its marked price,	a merchant makes a loss ant if he sells the article at	85% of its marked price?
20.	approximate percent pro	fit made by the merch		
			(a) 12	(a) 0
	(a) 15	ocos by 50 percent an	d Rahul intends to spend antity of petrol that he bu	only 20 percent more on
26.	If the price of petrol incle	ould he reduce the qu		(d) 25
	petrol, by what person (b) 15	(c) 20	(a) 25
07	(a) 10	During	last month its cost was so as to keep the exper	diture fixed.
21.	much per cent a family re	duces its consumption	so as to keep the exper	(SNAP 2009)
	e-2 5690)			TO A STATE OF THE
	(a) 10.2%	(b) 12.1%	(c) 12.3%	(d) 11.1%
28.		monthly salary in ins	surance policies. She sp	ends 55% of her monthly amount of ₹ 12,750. What (SNAP 2009)
	salary in shopping and on	nousehold expenses.	Sile saves the remaining	(SNAP 2009)
	is Sonali's monthly incom	(b) ₹ 38,800	(c) ₹ 40,000	(d) ₹ 35,500
	(a) ₹ 42,500		The state of the s	tea worth ₹ 30 per kgs so
29.	that hy selling the blender	d variety at ₹ 30 per k	gs there should be a gain	n of 10%?
	and by comply and	01 95 (21		(SNAP 2009)
(:	a) 36 kgs	(b) 40 kgs	(c) 32 kgs	(d) 42 kgs
				e boys passed. How many
30.	boys appeared in the exa			(SNAP 2009)
	(a) 160	(b) 80	(c) 40	(d) none
31.				dded to make it 50% in the
0.0	solution ?	100 1070 Suit III It. 110	w maon sait should be a	(SNAP 2009)
	(a) 40 gms	(b) 60 gms	(c) 70 gms	
32.	An agent sells goods of va			(d) 80 gms ceives at the ratio of 12 1/2 1/2
	is a second second	1.000, 170,000, 1710	commission which he rea	(SNAP 2009)
	(a) ₹ 1875	(b) ₹ 2125	(c) ₹ 2000	
	The state of	9-00-100-		(d) ₹ 2700
33.	$\sqrt{110.25} \times \sqrt{0.01} + \sqrt{0.00}$	25 - √420.25 equals	to:	(SNAP 2009
	(a) 0.75	(b) 0.50	(c) 0.64	
			(5) 5.54	(d) 0.73

	much more marks did	rks in an exam and Seeta go aman. If the minimum passi Raman score than the minin	no marks in the exam is	ne same exam which is 34 percent, then how (ATMA-2012)
	(a) 184	(b) 196) 180
3	lespectively. If the hum	r of students studying Arts, C ber of students studying Arts vely, what will be the new ra	c Commerce and Scient	ce is increased by 20%,
	(a) 18:35:50	(b) 3: 10:10	(c) 4:8:5	(d) 32:35:25
30	 The price of three chair ₹ 18,000. What is the companies 	rs and four tables is ₹ 20,50 difference between the price	0 and the price of four ces of one table and a cha	hairs and three tables is air? (ATMA-2012)
	(a) ₹ 4,000	(b) ₹ 2,500	(c) ₹ 1,500	(d) Data inadequate
37	7. If the following fraction	ns are arranged in an asce	ending order, which frac	ction will be third in the
	arrangement ? $\frac{3}{7}$, $\frac{9}{13}$	4 1 7		(ATMA-2012)
	(a) $\frac{3}{7}$	b) $\frac{7}{11}$	(c) $\frac{1}{3}$	(d) $\frac{4}{9}$
38.	$\left(\sqrt{\frac{225}{729}} - \sqrt{\frac{25}{144}}\right) \div \sqrt{\frac{16}{81}}$	(c) 5436 sed, trio a sylfing integer i		(IIFT 2011)
	(a) $\frac{5}{16}$	(b) $\frac{7}{12}$	8	(d) None of the above
39.	namely Mathematics, \ 100. It is observed that half of his marks obtain	nanagement entrance example of the control of the marks obtained in Verbal English by arks in Mathematics. What deverbal English?	I Analysis, each of whi ained by Romit in Logic 5. He has obtained a	ch have the full marks of al Analysis is greater than total of 210 marks in the
	(a) 40	(b) 10	(c) 20	(d) 30
40.	A - ald lady annual 2	domestic help on the cond	dition that she would p d received the gift and	ay him ₹ 90 and a gift after ₹ 65. Find the value of the (IIFT 2011)
		(b) ₹ 12	(c) ₹ 15	(d) None of the above
41.	If you have exactly 3 til		s apples in your fruit-bin your fruit-bin your fruit bowl?	oowl, which of the following [ATMA 2008]
		(b) 72	(c) 54	(d) 44
42	What will be the aircum	ference of a circle with a		m.? [CET MAH 2008
74.			(c) 56.4 m	
	(a) 32.4 m	(b) 48.2 m	(e) None of thes	sen a company all applications
	(d) Cannot be determine	end and to redmen end	(c) None of the	the bus company,

•	a to the sale ask	ed to divide half a number I	ov 6	and the other half b	y 4 and th	nen add
43.	quantities. Instead of doin	g so, the student divides the	give	en number by 5. If th		1 2110"
	the correct answer, then t	the actual answer is:			(d) 400	FMS 2007
	(a) 320	(b) 360		480	(-)	9 m co
44.	There are three wires A, B and C of different metals, one is 25 m 60 cm long, second is 9 m 60 cm long and the last wire is 15 m 36 cm long. Maximum length is equally cut from each wire in such long and the last wire is 15 m 36 cm long. Maximum length is equally cut from each wire in such largest possible way that the total length of each wire is exactly divisible by it. How many such largest possible pieces are available in each kind of wires A, B and C respectively? [IBSAT 200]					
	(a) 30 cm, 25 cm, 24 cm		(p)	40 cm, 10 cm, 30		
	(c) 40 cm, 15 cm, 24 cm		(d)	30 cm, 10 cm, 12	cm	
	(e) 30 cm, 8 cm, 16 cm			en ban, sussid es all		DIET.
45.	The value of the expressi	on 7777 + 7777 × 7777 × (5 ÷ 7	77) × (11 ÷ 35) is:	CO No	[IIFT 2007
	(2) 123/321	(b) 12344321	(c)	7(4)		e of these
46.	A shopkeeper sold an Ai 3.74 %. What would have	r-conditioner for ₹ 25,935 versions the percentage of pro-	with ofit	a discount of 9 % earned if no discou		fered?
	(a) 15.6 %	(b) 16 %	(c)	12.3 %		
	(d) Cannot be determine	And the same of the	(e)	None of these		
47.	A large private airline incincrease in airport charge crease further the price of	reased the price of their ai es. Due to increasing cost of the ticket by 30 percent. result of two price hikes b	Of A	approximately wha	t percenta	The Had to h
	(a) 50%	(b) 56%		54%	(d) 60%	ó
48.	If a two-digit integer has i	ts digits reversed, trip results differ?	lting	integer differs from	n the orig	inal by 27. B _j [ATMA 2008]
	(a) 4	(b) 3	(c)	5	(d) 2	
49.	If x is the number on the x is.	number line between 5 and	151	that is twice as far	from 5 as	from 15, then [ATMA 2008]
	(a) $13\frac{1}{2}$	(b) $8\frac{1}{3}$	(c)	$11\frac{2}{3}$	(d) 12	
50.	What is the units digit of ($(13)^4 (17)^2 (29)^3$?				[ATMA 2008
	(a) 1	(b) 2	(c)	3 Sale V bas collection	(d) 4	