

1) Which of the following fraction is the smallest?

 $\frac{7}{9}$

- 3) $\frac{4}{5}$
- 2) Which of the following fraction is the smallest?

 $\frac{9}{13}$, $\frac{17}{26}$, $\frac{28}{29}$, $\frac{33}{52}$

- 3) $\frac{9}{13}$ 4) $\frac{28}{29}$
- 3) The smallest possible three place decimal number is:
 - 1) 0.012
- 2) 0.123
- 3) 0.111
- 4) None of these
- 4) Which is the following fraction is the smallest?

 - 1) $\frac{8}{15}$ 2) $\frac{7}{13}$
 - 3) $\frac{11}{12}$
- 4) $\frac{14}{33}$
- 5) Which of the following is the smallest fraction?

8 7 11 14 25 '23 '23'53

- 1) $\frac{8}{25}$
- 2) $\frac{7}{23}$
- 3) $\frac{11}{22}$
- 4) $\frac{14}{52}$
- 6) The smallest number of five digits exactly divisible by 476 is
 - 1) 47600
- 2) 10000
- 3) 10476
- 4) 10472
- 7) The greatest fraction among

 $\frac{2}{3}$, $\frac{5}{6}$, $\frac{11}{15}$ and $\frac{7}{8}$ is

- 1) $\frac{7}{8}$
- 3) $\frac{5}{6}$

8) The least number among

 $\frac{4}{9}$, $\sqrt{\frac{9}{49}}$, 0.45 and $(0.8)^2$ is

- 3) 0.45
- 9) Which of the following number is the greatest

 $0.9, 0.\overline{9}, 0.0\overline{9}, 0.\overline{09}$

- 1) 0.9
- $2) 0.\bar{9}$
- 3) $0.0\overline{9}$.
- 4) 0.09
- 10) The largest among the numbers

 $(0.1)^2$, $\sqrt{0.0121}$, 0.12 and $\sqrt{0.0004}$ is

- 1) $(0.1)^2$
- 2) $\sqrt{0.0121}$
- 3) 0.12
- 4) $\sqrt{0.0004}$
- 11) When 335 is added to 5A7, the result is 8B2. 8B2 is divisible by 3. What is the largest possible value of A?
 - 1) 8
- 2) 2
- 3) 1
- 4) 4
- 12) If a number is as much greater than 31 as it is less than 75, then the number is
 - 1) 106
- 2) 44
- 3) 74
- 13) Sum of three fractions is $2\frac{11}{24}$, on dividing the largest fraction by the smallest fraction. $\frac{7}{6}$ is obtained which is $\frac{1}{3}$ greater than the middle fraction. The smallest fraction is
 - 1) $\frac{5}{8}$

- 14) A number when divided by 899 gives a remainder 63. If the same number is divided by 29, the remainder will be:
 - 1) 10
- 3) 4
- 4) 2
- A) A six digit number is formed by repeating a three digit number: for example, 256, 256 or 678, 678 etc. Any number of this from is always exactly divisible by:
 - 1) 7 only
- 2) 11 only
- 3) 13 only
- 4) 1001



15)	The smallest number to b	ne added to 1000 so		3) 234	4) 296
13,	that 45 divides the sum ex			3) 231	4) 270
	1) 35	2) 80	20) T	The product of two nu	umbers is 9375 and the
	3) 20	4) 10	-	=	arger one is divided by
		,		•	sum of the numbers is:
16)	The divisor is 25 times	the quotient and 5		1) 395	2) 380
·	times the reminder. If th	•		3) 400	4) 425
	dividend is:				
	1) 6400	2) 6480	21) ($7^{19} + 2$) is divided by	6, the remainder is:
	3) 400	4) 480		1) 5	2) 3
				3) 2	4) 1
17)	When a number is d	ivided by 56, the			
	remainder obtained is 29. What will be the			A number when divide	d by 6 leaves remainder
	remainder when the num			3. When the square of the same number is	
	1) 4	2) 5	(divided by 6, the rema	inder is:
	3) 3	4) 7		1) 0	2) 1
				3) 2	4) 3
18)	A number being divided b	-			
	45. If the number is	divided by 13, the	-		wing number is NOT
	remainder will be	2) ((divisible by 18?	a) 5 0.406
	1) 5	2) 6		1) 54036	2) 50436
	3) 12	4) 7		3) 34056	4) 65043
10\	A number when divided s	uccossivoly by 4 and	24)	If two numbers are as	sh divided by the come
19)	5 leaves remainder 1				s are respectively 3 and
		•			wo numbers be divided
	When it is successively divided by 5 and 4 the respective remainders will be				he remainder is 2. The
	•			-	
	1) 4, 1	2) 3,2		divisor is	
♦ В	1) 4, 1 3) 2, 3	2) 3, 2 4) 1, 2		divisor is 1) 9	2) 7
⊹ В	1) 4, 1	2) 3, 2 4) 1, 2 he divisor is 4 times		divisor is 1) 9 3) 5	2) 7
⋄ B	1) 4, 1 3) 2, 3) In a division problem, tl	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If	25) T	divisor is 1) 9 3) 5 Two numbers, when	2) 7 4) 3
❖ B	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11	2) 7 4) 3 divided by 17, leave
❖ В	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divide	2) 3,2 4) 1,2 he divisor is 4 times es the remainder. If end is	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11	2) 7 4) 3 divided by 17, leave respectively. If the sum
	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number	2) 7 4) 3 divided by 17, leave respectively. If the sum
	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12 How many natural numbers	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the
	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the
	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 1) 27	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 0? 2) 28	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4
	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 1) 27 3) 29	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 2) 28 4) 36	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 1) 27 3) 29 O A number when divided 1) A number when divided 200 1) 4, 1 3 29	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 1? 2) 28 4) 36 hed by 3 leaves a	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1 3) 3	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2 4) 4
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 1) 27 3) 29 O A number when divided the second of the se	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 0? 2) 28 4) 36 hed by 3 leaves a e quotient is divided	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1 3) 3	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2 4) 4 21 y 18, the reminder is
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 1) 27 3) 29 O) A number when divided the second of the s	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 9? 2) 28 4) 36 hed by 3 leaves a e quotient is divided heder 1. What will be	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1 3) 3 If 17 ²⁰⁰ is divided by 1) 17	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2 4) 4 y 18, the reminder is 2) 16
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 1) 27 3) 29 1) A number when divided remainder 1. When the by 2, it leaves a remainder the remainder when the second control of th	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 9? 2) 28 4) 36 hed by 3 leaves a e quotient is divided heder 1. What will be	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1 3) 3	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2 4) 4 21 y 18, the reminder is
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 1) 27 3) 29 1) A number when divide remainder 1. When the by 2, it leaves a remain the remainder when the by 6?	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 1? 2) 28 4) 36 hed by 3 leaves a be quotient is divided her 1. What will be the number is divided	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1 3) 3 If 17 ²⁰⁰ is divided by 1) 17 3) 1	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2 4) 4 y 18, the reminder is 2) 16 4) 2
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 (1) 27 3) 29 Of A number when divided the remainder 1. When the by 2, it leaves a remain the remainder when the by 6? 1) 3	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 1? 2) 28 4) 36 hed by 3 leaves a he quotient is divided her 1. What will be he number is divided 2) 4	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1 3) 3 If 17 ²⁰⁰ is divided by 1) 17 3) 1 When 2 ³¹ is divided by	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2 4) 4 21 y 18, the reminder is 2) 16 4) 2 25 the remainder is
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 1) 27 3) 29 1) A number when divide remainder 1. When the by 2, it leaves a remain the remainder when the by 6?	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 1? 2) 28 4) 36 hed by 3 leaves a be quotient is divided her 1. What will be the number is divided	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1 3) 3 If 17 ²⁰⁰ is divided by 1) 17 3) 1 When 2 ³¹ is divided by 1) 4	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2 4) 4 21 y 18, the reminder is 2) 16 4) 2 25 the remainder is 2) 3
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 1) 27 3) 29 1) A number when divide remainder 1. When the by 2, it leaves a remain the remainder when the by 6? 1) 3 3) 5	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 1)? 2) 28 4) 36 hed by 3 leaves a 1e quotient is divided 1. What will be	25) T	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1 3) 3 If 17 ²⁰⁰ is divided by 1) 17 3) 1 When 2 ³¹ is divided by	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2 4) 4 21 y 18, the reminder is 2) 16 4) 2 25 the remainder is
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 (1) 27 3) 29 1) A number when divided by 2, it leaves a remain the remainder when the by 6? 1) 3 3) 5	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are es? 2) 28 4) 36 hed by 3 leaves a e quotient is divided her 1. What will be he number is divided 2) 4 4) 2 ha certain number.	25) T 26) 27)	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1 3) 3 If 17 ²⁰⁰ is divided by 1) 17 3) 1 When 2 ³¹ is divided by 1) 4 3) 2	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2 4) 4 21 y 18, the reminder is 2) 16 4) 2 23 the remainder is 2) 3 4) 1
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural numbers there between 3 and 200 1) 27 3) 29 1) A number when divided by 2, it leaves a remainder the remainder when the by 6? 1) 3 3) 5 2) 64329 is divided by While dividing, the number of the second secon	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 9? 2) 28 4) 36 hed by 3 leaves a he quotient is divided her 1. What will be he number is divided 2) 4 4) 2 ha certain number. hers, 175, 114 and	25) T 26) 27)	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1 3) 3 If 17 ²⁰⁰ is divided by 1) 17 3) 1 When 2 ³¹ is divided by 1) 4 3) 2	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2 4) 4 21 y 18, the reminder is 2) 16 4) 2 25 the remainder is 2) 3
* C	1) 4, 1 3) 2, 3) In a division problem, the quotient and 3 time remainder is 4, the divided 1) 36 3) 12) How many natural number there between 3 and 200 (1) 27 3) 29 1) A number when divided by 2, it leaves a remain the remainder when the by 6? 1) 3 3) 5	2) 3, 2 4) 1, 2 he divisor is 4 times es the remainder. If end is 2) 40 4) 30 hers divisible by 7 are 9? 2) 28 4) 36 hed by 3 leaves a he quotient is divided her 1. What will be he number is divided 2) 4 4) 2 ha certain number. hers, 175, 114 and	25) T 26) 27)	divisor is 1) 9 3) 5 Two numbers, when remainders 13 and 11 of those two number reminder will be 1) 13 3) 7 The remainder when 3 1) 1 3) 3 If 17 ²⁰⁰ is divided by 1) 17 3) 1 When 2 ³¹ is divided by 1) 4 3) 2	2) 7 4) 3 divided by 17, leave respectively. If the sum is is divided by 17, the 2) 11 4) 4 21 is divided by 5 is 2) 2 4) 4 21 y 18, the reminder is 2) 16 4) 2 23 the remainder is 2) 3 4) 1 divided by 387, the

		a) 0		a) (
	1) 0	2) 3		3) 6	4) 7	
	3) 5	4) 35	>			
			40)		igits of any integer lying	
30)	30) In a division sum, the divisor is 10 times the			between 100 and 1000 is subtracted from the		
	quotient and 5 times			number, the result al	-	
	remainder is 46, then th			1) divisible by		
	1) 4236	2) 4306		2) divisible by		
	3) 4336	4) 5336		3) divisible by		
				4) divisible by	5	
-	When a number is divide					
	is 16. The remainder wh	en the same number is	41)		f a 99 digit number N are	
	divided by 12 is			•	11, then all the middle	
	1) 3	2) 4		digits are:	ΛQ	
	3) 6	4) 8		1) 1	2) 2	
	6162625			3) 3	4) 4	
32) ($(4^{61} + 4^{62} + 4^{63})$ is divis					
	1) 3	2) 11	42)		formed by repeating a 2-	
	3) 13	4) 17		——————————————————————————————————————	as 2525, 3232, etc. Any	
					is always exactly divisible	
33)	A number when div			by:	-> 4.4	
	remainder 17. When			1) 7	2) 11	
	divided by 13, the rema			3) 13		
	1) 0	2) 4		4) Smallest 3-dig	git prime number	
	3) 6	4) 3				
- a\ .			43)		nich must be added to the	
34) Divide 37 into two parts so that 5 times one				greatest number of 4 digits in order that the		
ا	part and 11 times the ot			sum may be exactly o		
	1) 15,22	2) 20, 17		1) 132	2) 32	
	3) 25, 12	4) 30, 7		3) 43	4) 75	
25/ 1	Jane manu numbara bat		44)	If a = 4011 a	and $b=3989$ then	
-	How many numbers bet	ween 400 and 800 are	44)	$value\ of\ ab=?$	D = 3707 then	
	divisible by 4, 5, and 6? 1) 7	2) 8		1) 15999879	2) 15899879	
		4) 10		3) 15989979	4) 15998879	
	3) 9	4) 10		3) 13707777	4) 13770077	
36) The number which is to be added to 0.01 to get				If n is even, $(6^n - 1)$) is divisible by	
-	1.1, is	be added to 0.01 to get	45)	1) 37	2) 35	
,	1) 1.11	2) 1.09		3) 30	4) 6	
	3) 1	4) 0.10		3, 30	٦, ٥	
	3) 1	4) 0.10	46)	I have r marbles	My elder brother has 3	
271	000 998 4 000 :		40,		hile my younger brother	
3/)	$999\frac{998}{999} \times 999$ is equal t				e. If the total number of	
	1) 998999	2) 999899			umber of marbles that I	
	3) 989999	4) 999989		have is	identification of markets that i	
				1) 3	2) 5	
38)	How many 3 digit numb	ers, in all, are divisible		3) 8	4) 7	
	by 6?	0) 450		-, -	,	
	1) 140	2) 150	47)	Weight of a bucke	t when filled fully with	
	3) 160	4) 170		_	he weight of the bucket	
				when half filled with water is 13.5 kg, what is		
	If n is an integer, the	en $(n^3 - n)$ is always		the weight of empty		
(divisible by :	2) 5		1) 12 kg	2) 8 kg	
	1) 4	2) 5		3) 10 kg	4) 7 kg	

48) The maximum value of F in the following

5E9 + 2F8 + 3G7 = 1114 isWhere E, F, G each stands for any digit

- 1)8
- 2) 9
- 3) 7
- 4) 5
- 49) A number when divided by 729 gives a remainder of 56. What will we get as remainder if the same number is divided by 27?
 - 1) 4
- 2) 2
- 3) 0
- 4) 1
- 50) If 25 is added to a number it becomes 3 less than thrice of the number. Then number is
- 3) 19
- 4) 20
- 51) If the sum of a number and its reciprocal be 2, then the number is
 - 1) 0
- 2) 1
- 3) -1
- 4) 2
- 52) When a number is divided by 56, the remainder will be 29. If the same number is divided by 8, then the remainder will be
 - 1) 6
- 2) 7
- 3) 5 4) 3
- 53) A positive number when decreased by 4, is equal to 21 times the reciprocal of this number. The number is:
 - 1) 3
- 2) 7
- 3) 5
- 4) 9
- 54) When n is divided by 4, the remainder is 3. The remainder when 2n is divided by 4 is:
- 3) 3
- 4) 6
- 55) A man has some hens and some cows. If the total number of heads of hens and cows together is 50 and the number of feet of hens and cows together is 142, then the number of cows is
 - 1) 21
- 2) 25
- 3) 27
- 4) 29
- 56) The least number to be added to 13851 to get a number which is divisible by 87 is:

- 3) 54
- 4) 69
- 57) Which of the following numbers is completely divisible by 99?
 - 1) 57717
- 2) 57627
- 3) 55162
- 4) 56982
- 58) The sum of all prime numbers between 58 and
 - 1) 179
- 2) 178
- 3) 187
- 4) 183
- 59) The product of digits of a 2 digit number is 24. If we add 45 to the number, the new number obtained is a number formed by interchanging the digits. What is the original number?
 - 1) 54
- 2) 83
- 3) 38
- 4) 45
- 60) The product of two numbers is 48. If one number equals, "The number of wings of a bird plus 2 times the number of fingers on your hand divided by the number of wheels of a Tricycle". Then the other number is
 - 1) 9
- 2) 10
- 3) 12
- 4) 18
- 61) One-fourth of a tank holds 135 liters of water. What part of the tank is full if it contains 180 liters of water?
 - 1) $\frac{2}{5}$

- 62) If 3 times a number exceeds its $\frac{3}{5}$ by 60, then what is the number?
 - 1) 25
- 2) 35
- 3) 45
- 63) IF $\frac{4}{5}$ of an estate be worth 16800 Rs, then the value of $\frac{3}{7}$ of it is ---
 - 1) 90000 Rs
- 2) 9000 Rs
- 3) 72000 Rs
- 4) 21000 Rs
- 64) A man spends $\frac{1}{3}$ of his income on food, $\frac{2}{5}$ of his income on house rent and $\frac{1}{5}$ of his income on clothes. If he still has 400Rs. Left with him, his income is
 - 1) 4000 Rs
- 2) 5000 Rs
- 3) 6000 Rs
- 4) 7000 Rs



- 65) When $0.\overline{47}$ is converted as a fraction, the
 - 1) $\frac{47}{90}$

- 4) $\frac{47}{22}$
- 66) A candidate in an examination was asked to find $\frac{5}{14}$ of a certain number. By mistake he found $\frac{3}{4}$ of it. Thus, his answer was 25 more than the correct answer. The number was:
 - 1) 28
- 2) 56
- 3) 84
- 4) 140
- 67) In an examination, a student was asked to find $\frac{3}{14}$ of a certain number, By mistake, he found $\frac{3}{4}$ of it. His answer was 150 more than the correct answer. The given number is:
 - 1) 500
- 2) 280
- 3) 240
- 4) 180
- 68) $\frac{1}{10}$ of a rod is coloured red, $\frac{1}{20}$ orange, $\frac{1}{30}$ yellow, $\frac{1}{40}$ green, $\frac{1}{50}$ blue, $\frac{1}{60}$ black and the rest is violet. If the length of the violet portion of the rod is 12.08 meters, then the length of the rod is
 - 1) 16 m
- 2) 18 m
- 3) 20 m
- 4) 30 m
- 69) A tree increases annually by $\frac{1}{8}th$ of its height. By how much will it increase after 2 years, if it stands today 64 cm high?
 - 1) 72 cm
- 2) 74 cm
- 3) 75 cm
- 4) 81 cm
- 70) How many $\frac{1}{6}$ of together make
 - $41\frac{2}{3}$?
 - 1) 125
- 2) 150
- 3) 250
- 4) 350
- 71) The sum of the numerator and denominator of a positive fraction is 11. If 2 is added to both numerator and denominator, the fraction is increased by $\frac{1}{24}$. The difference of numerator and denominator of the fraction is
 - 1) 5
- 2) 3
- 3) 1
- 4) 9

- The denominator of a fraction is 3 more than its numerator. If the numerator is increased by 7 and the denominator is decreased by 2, we obtain 2. The sum of numerator and denominator of the fraction is
 - 1) 5
- 2) 13
- 3) 17
- 4) 19
- 73) If 1 is added to both the numerator and the denominator of a fraction, it becomes $\frac{1}{4}$. If 2 is added to both the numerator and the denominator of that fraction. It becomes $\frac{1}{2}$. The sum of numerator and denominator of the fraction is:
 - 1) 8
- 2) 13
- 3) 22
- 4) 27
- 74) A number whose one- fifth part increased by 4 is equal to its one-fourth part diminished by 10, is:
 - 1) 260
- 2) 280
- 3) 240
- 4) 270
- 75) Divide 50 into two parts so that the sum of their reciprocals is $\frac{1}{12}$.
 - 1) 35, 15
- 2) 20, 30
- 3) 24, 36
- 4) 28, 32
- 76) 0. $\overline{123}$ is equal to : 1) $\frac{14}{333}$

- 77) Arrange $\frac{4}{5}$, $\frac{7}{8}$, $\frac{6}{7}$, $\frac{5}{6}$ in the ascending
 - 1) $\frac{4}{5}$, $\frac{7}{8}$, $\frac{6}{7}$, $\frac{5}{6}$
- $2)\frac{5}{6}\frac{6}{7}\frac{7}{8}\frac{4}{5}$
- 3) $\frac{4}{5}$, $\frac{5}{6}$, $\frac{6}{7}$, $\frac{7}{8}$ 4) $\frac{7}{8}$, $\frac{6}{7}$, $\frac{5}{6}$, $\frac{4}{5}$
- 78) The digit in unit's place of the product
 - $81 \times 82 \times 83 \times ... \times 89$ is
 - 1) 0

- 79) The digit in unit's place of the product $(2153)^{167}$ is:
 - 1) 1
- 2) 3

- 3) 7
- 4) 9



80)	The digit in the unit's place of the	product
	$(2464)^{1793} \times (615)^{317} \times (13)^{117} \times$	$(31)^{491}$ is

2) 2

3) 3

4) 5

81) Unit digit in $(264)^{102} + (264)^{103}$ is :

1) 0

3) 6

4) 8

82) The last digit of 3^{40} is

1) 1

2) 3

3) 7

4) 9

83) One's digit of the number $(22)^{23}$ is

1) 4

3) 8

4) 2

Find the unit digit in the product $(4387)^{245}$ × $(621)^{72}$

1) 1

2) 2

3) 5

4) 7

85) The sum of three consecutive odd natural numbers is 147. Then, the middle number is:

1) 47

3) 49

4) 51

86) The sum of all natural numbers from 75 to 97

1) 1598

2) 1798

3) 1958

4) 1978

87) The sum of all natural numbers between 100 and 200, which are multiples of 3 is:

1) 5000

2) 4950

3) 4980

4) 4900

88) The sum of three consecutive odd natural numbers is 87. The smallest of these numbers is:

1) 29

2) 31

3) 23

4) 27

1) 38

2) 34

3) 42

4) 46

1) 5050

2) 4275

3) 4025

4) 3775

91) The sum of all the 2- digit numbers is:

1) 4995 3) 4945 2) 4950 4) 4905

92) The sum of all the 3-digit numbers is 1) 98901

2) 494550

3) 8991

4) 899

1) 36

2) 35

3) 25

4) 24

1) $\frac{S-10}{5}$

2) $\frac{S+4}{4}$

3) $\frac{S+5}{4}$

4) $\frac{S+10}{5}$

95) The sum of all those prime numbers which are not greater than 17 is

1) 59

2) 58

3) 41

4) 42

1) 30

2) 33

3) 36

4) 45

1) 19, 20, 21

2) 21, 22, 23

3) 20, 21, 22

4) 22,23,24

98) Find the sum of all positive multiples of 3 less than 50

1) 400

2) 404

3) 408

4) 412

99) What is the arithmetic mean of first 20 odd natural numbers?

1) 19

2) 17

3) 22

4) 20

- 100) Two positive whole numbers are such that the sum of the first number and twice the second number is 8 and their difference is 2. The numbers are:
 - 1) 7, 5 3) 4, 2
- 2) 6, 4
- 101) If we write 45 as sum of four numbers so that when 2 is added to first number, 2 subtracted from second number, third multiplied by 2 and fourth divided by 2, we get the same result, then the four numbers are:
 - 1) 1, 8, 15, 21
- 2) 8, 12, 5, 20
- 2) 8, 12, 10, 15
- 4) 2, 12, 5, 26
- 102) The value of $(0.\overline{63} + 0.\overline{37})$ is
 - 1) 1

- 3) $\frac{99}{100}$
- 103) $(0.\overline{11} + 0.\overline{22}) \times 3$ is equal to
 - 1) 3
- $2) 1.\bar{9}$
- 3) 1
- 4) $0.\bar{3}$
- 104) $1.\overline{2} \times 0.\overline{03} =$
 - 1) $0.\overline{04}$
- $2) 0.0\overline{36}$
- 3) 1. 13
- 4) $0.\overline{037}$
- 105) Which one of the following numbers is not a square of any natural number?
 - 1) 17956
- 2) 18225
- 3) 63592
- 4) 53361
- 106) The difference of $5.\overline{76}$ and $2.\overline{3}$ is
 - 1) $2.\overline{54}$
- 2) 3.73
- 3) 3.46
- 4) $3.\overline{43}$
- 107) Numbers 2, 4, 6, 8, 10.....196, 198, 200 are multiplied together. The numbers of zeros at the end of the product on the right will be equal to -
 - 1) 21
- 2) 22
- 3) 24
- 4) 25
- 108) The value of $(0.\overline{63} + 0.\overline{37})$ is
 - 1) 1

- 109) Sum of two numbers is 40 and their product us What will be the sum of their reciprocals?
 - 1) $\frac{8}{75}$
- 2) $\frac{1}{40}$
- 3) $\frac{75}{2}$
- 4) $\frac{75}{4}$
- 110) 800 chocolates were distributed among the student of a class. Each student got twice as many chocolates as the number of students in the class. The number of students in the class
 - 1) 25
- 2) 30
- 3) 35
- 4) 20
- 111) How many digits in all are required to write numbers from 1 to 50?
 - 1) 100
- 2) 92
- 3) 91
- 4) 50
- 112) The numbers 1, 3, 5, 7...., 99 and 128 are multiplied together. The number of zeros at the end of the product must be:
 - 1) 19
- 3) 7
- 4) Nil
- 113) The simplified value of

$$\left(1-\frac{1}{3}\right)\left(1-\frac{1}{4}\right)\left(1-\frac{1}{5}\right).....\left(1-\frac{1}{99}\right)\left(1-\frac{1}{100}\right)$$

- 1) $\frac{2}{00}$
- 2) $\frac{1}{25}$
- 3) $\frac{1}{50}$
- 4) $\frac{1}{100}$
- 114) 380 mangoes are distributed among some boys and girls who are 85 in numbers. Each boy gets four mangoes and each girl gets five. The number of boys is
 - 1) 15
- 2) 38
- 3) 40
- 4) 45
- 115) In a two digit number if it is known that its units digit exceeds its tens digit by 2 and that the product of the given number and the sum of its digits is equal to 144, then the number is
 - 1) 46
- 2) 42
- 3) 26
- 4) 24
- 116) A number consists of two digits such that the digit in the ten's place is less by 2 than the digit in the unit's place. Three times the

number added to $\frac{6}{7}$ times the number obtained by reversing the digits equals 108. The sum of digits in the number is:

1)8

- 2) 9 4) 7
- 3) 6
- 117) How many numbers less than 1000 are multiples of both 10 and 13?
 - 1)9

- 2) 8
- 3) 6
- 4) 7
- 118) On multiplying a number by 7, all the digits in the product appear as 3's. The smallest such number is
 - 1) 47649
- 2) 47719
- 3) 47619
- 4) 48619
- 119) A 2-digit number is 3 times the sum of its digits. If 45 is added to the number, its digits are interchanged. The sum of digits of the number is
 - 1) 11
- 2) 9
- 3) 7
- 4) 5
- 120) The sum and product of two numbers are 12 and 35 respectively. The sum of their reciprocals will be
 - 1) $\frac{12}{35}$

- 121) Five times of a positive integer is equal to 3 less than twice the square of that number. The number is
 - 1)3

- 2) 13
- 3) 23
- 4) 33
- 122) I multiplied a natural number by 18 and another by 21 and added the products. Which one of the following could be the sum?
 - 1) 2007
- 2) 2008
- 3) 2006
- 4) 2002
- 123) If the sum of two numbers be multiplied by each number separately, the products so obtained are 247 and 114. The sum of the numbers is
 - 1) 19
- 2) 20
- 3) 21
- 4) 23
- 124) If a and b are odd number, then which of the following is even?

- 1) a + b + ab
- 2) a + b 1
- 3) a + b + 1
- 4) a + b + 2ab
- 125) In an examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. A student attempted all the 200 questions and scored in all 200 marks. The number of questions, he answered correctly was
 - 1)82
- 2) 80
- 3) 68
- 4) 60
- 126) A man ate 100 grapes in 5 days. Each day, he ate 6 more grapes than those he ate on the earlier day. How many grapes did he eat on the first day?
 - 1)8
- 2) 12
- 3) 54
- 4) 76
- 127) In a three-digit number, the digit at the hundred's place is tow times the digit at the unit's place and the sum of the digits is 18. If the digits are reversed, the number is reduced by 396. The difference of hundred's and ten's digit of the number is
 - 1) 1
- 2) 2
- 3) 3
- 4) 5
- 128) The sum of a natural number and its square equals the product of the first three prime numbers. The number is
 - 1) 2
- 2) 3
- 3) 5
- 4) 6
- 129) The number 323 has
 - 1) three prime factors
 - 2) five prime factors
 - 3) two prime factors
 - 4) no prime factor
- 130) Mohan gets 3 marks for each correct sum and loses 2 marks for each wrong sum. attempts 30 sums and obtains 40 marks. The number of sums solved correctly is:
 - 1) 15
- 2) 20
- 3) 25
- 4) 10
- 131) Find the maximum number of trees which can be planted, 20 meters apart, on the two sides of a straight road 1760 meters long
 - 1) 180
- 2) 178
- 3) 174
- 4) 176



- 132) A man engaged a servant on the condition that he would pay him 90rs and a turban after service of one year. He served only for nine months and received the turban and an amount of 65rs. The price of turban is
 - 1) 25Rs
- 2) 18.75*Rs*
- 3) 10 Rs
- 4) 2.50 Rs
- 133) If a certain number of two digits is divided by the sum of its digits, the quotient is 6 and the remainder is 3. If the digits are reversed and the resulting number is divided by the sum of the digits, the quotient is 4 and the remainder is 9. The sum of the digits of the number is
 - 1) 6
- 2) 9
- 3) 12
- 4) 4
- 134) What decimal of a week is an hour?
 - 1) 0.0059
- 2) 0.0062
- 3) 0.062
- 4) 0.059
- 135) Natu and Buchku each have certain number of oranges. Natu says to Buchku, "If you give me 10 of your oranges, I will have twice the number of oranges left with you". Buchku replies, "If you give me 10 of your oranges, I will have the same number of oranges as left with you". What is the number of oranges with Natu and Buchku, respectively?
 - 1) 50, 20
- 2) 70,50
- 3) 20,50
- 4) 50,70