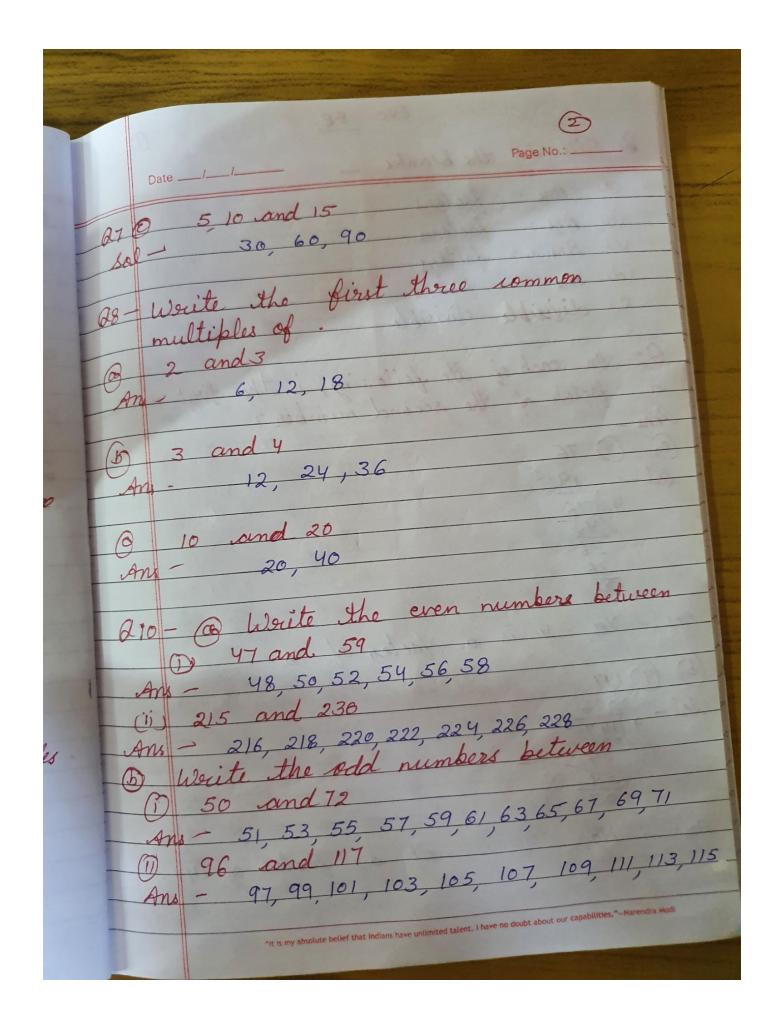
Exe- 8-A. Q6 @ Write the multiples of 3 that are 27 greater than 20 but less than 35. Ans - 21, 24, 27, 30, 33 28-D write the multiples of 5 that are greater than 25 but less than 50 Ans - 30, 35, 40, 45 O Write all the multiples of 8 that are less than 55. Ans - 8, 16,24,32, 40,48 (d) Write all the multiples of 12 that are 210 two-digit numbers. Ans - 12, 24, 36, 48, 60, 72, 84, 96 Q7- Weite the first two common multiples **(** @ 4 and 5 Ans - 20, 40 (b) 6 and 8 Ans - 24, 48



Q1 Fill in the blanks ca Ans - factors (b) Ans. factoris C Ans - factors d An factors divisible e Ans a factor of the second number? Ans: - Yes, 4 is a factor of 76. Ans: - No, 9 is not a factor of 147.

Date/	Page No.:
Q2C (2) 136	(d) (5) 465 601 - 15) 465 454
12/136	Ans — Jactor
Ans - 12 is not a factor	Yes 15 is a garren
(e) (18) 918 051	8al - 011 24 264
Sal 18 918 18 90 1	24 24
Ans - Yes 18 is a	Ans: - Yes 24 is a factor
factor of 918.	13.50, (8) 00.75   sol - 18 13.50   126
following is the sector of the	
first number ?  (a) 78 (13) 06  Sol - 13) 78	Ans! - Yes 18 is a factor of 1350
Ans!- Yes 13 is a facts "It is my absolute belief that in	

801 - 00.33 56) 1848 168 168 168 X. Ans. J. Yes, 56 is a	\$0 9,555 91 B  \$0105 91)9555 91111 455 455 455 X  Ans: - Yes, 91 is a factor of 9555	96: (b)
factor of 1848  O4! - Write two factors numbers, other than  O 75  Ans - 3,5  O 91  Ans - 7, 13  (C) 126	of the following one and the number tuly  (b) 84  An- 2,4  @112  Ans- 2,4	@7 @ &4
Ans: 2,3 Q5!— Write theree factorismbers, other than, and 30 Ans - 2,3,5- D 36 Ans - 2,3,4 (c) 105 Ans - 3,5,7	etors of the following and itself.  The 5, 11, 13  1430  Ans - 2, 5, 10	Ce

	Page No.:
Bactons of the fol	louing numbers are
D which of the follow	
Ans: 1, 3, 5, 15, 20,	actors of the following
10 10 1 × 10 2 × 5	5 20 Sal - 1 × 20 2 × 10 4 × 5
mi :- 1,2,5,10 (c) 32 sol - 1×32	Ans-1,2,4,5,10,20 (d) 54 sal-
1 x 3 2 2 x 1 6 4 x 8 Ans = 1, 2, 4, 8, 16, 3 2	1×54 2×27 3×18 6×9
(c) 231 AD 1×231 3×77	Ans = 1,2,3,6,9,18,27,54
7 x 33 11 x 21 An: 1,3,7,11,21,33,7	7
231 "It is my absolute belief that Indians hav	ve unlimited talent. I have no doubt about our capabilities."—Narendra Modi

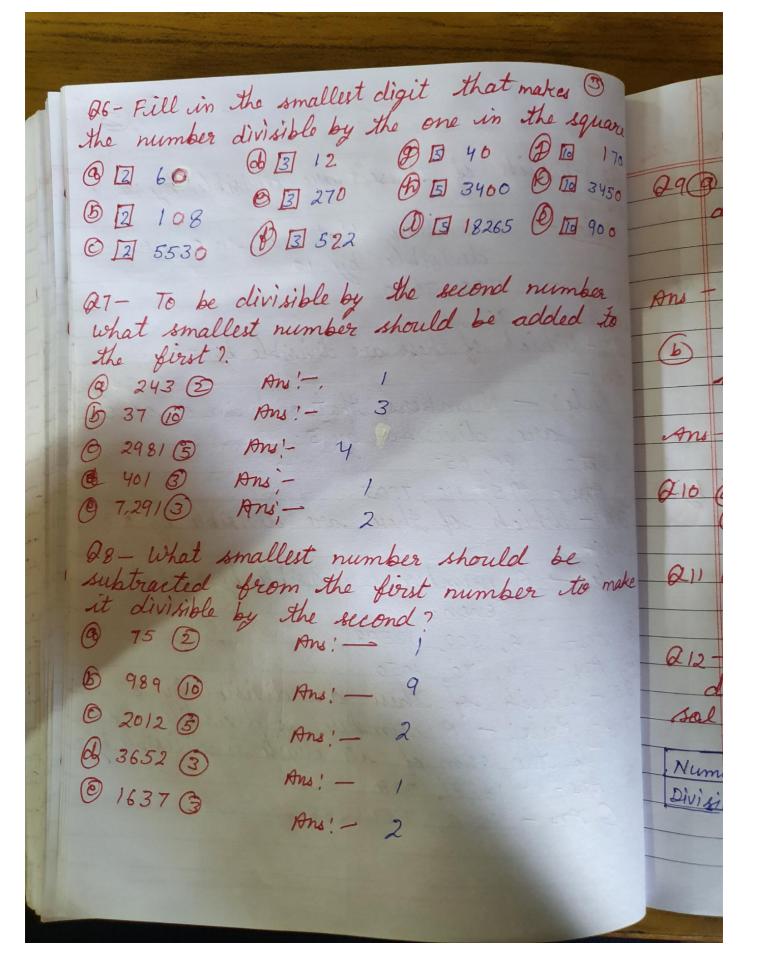
QI - In each of the following pairs, is the first number divisible by the second number Q 45,9

Sal-9)45

Sal-9)45

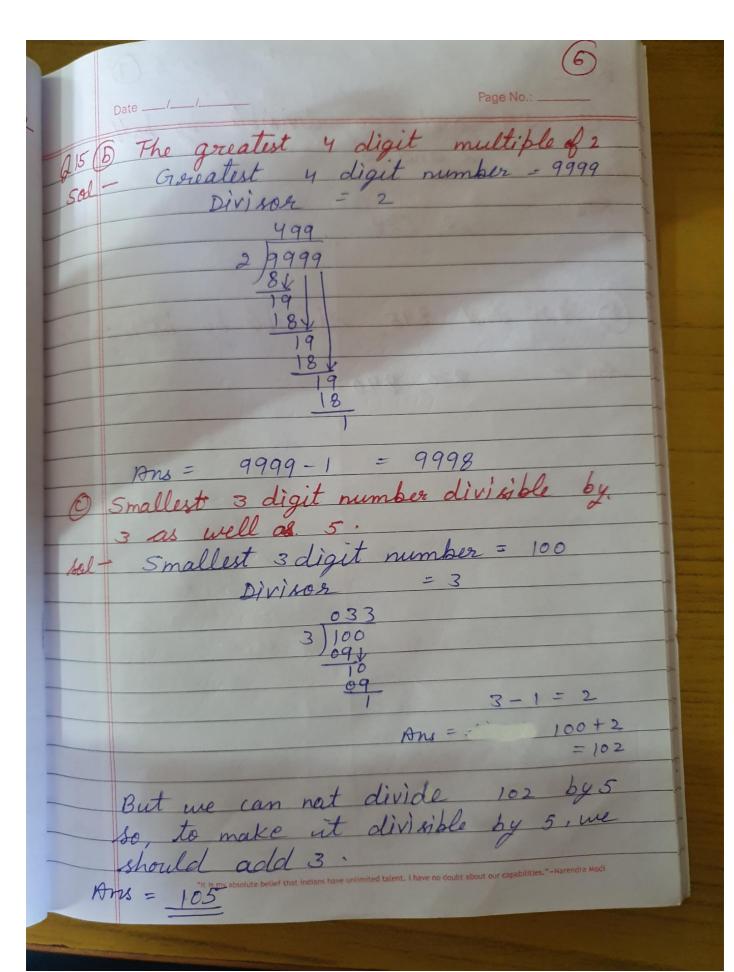
X Exe-8-C @ 45,9 Ans! - Yes 45 is 1au Ans! - Yes, 96 is divinible divisible by 9. Sal- 11/132 11/1/22 22 22 X Sal- 13 1159 Ans! - Yes, 132 is divisible Ans: - No, 1159 is not divisible by 13 18225,27 Mrs! - Yes, 18225 is dévisible by 27

The state of the s
Date//
Date
which of these are all more of
Date/  Date/_  Date/  Date/_  Date
one Numbers that end in a are
Rule: Visible by 10
Rule: - Numbers that end in a are divisible by 10  and 190, 3000
10) Ans - 790, 3000
h Ans - 900
b Ans - 900 b Ans - 900 by 57 23 - Which of these are divisible by 57
Augustian State and in o sor 5.  Rule: - Numbers that end in o sor 5.  are divisible by 5.  are 30, 65.
An I - Numbers that end in o will
Rule - Misiciple by 5.
are division
@ Ans - 80, 65
10 Ans - 95 110, 1003
@ Ans - 95 110, 7005  @ Ans - 95 110, 7005  @ 44 - Which of these are divisible by 2?
Ans-
Ans - Rule: - A number is divisible by 2 if it is even.
even.
@ Am - 6, 300 13598
(a) Ans - 6, 300, 135, 135, 135, 135, 135, 135, 135, 135
(b) Ans - 34, 70, 6050
25: - Which of these are in divisible by 3
Ans Rule! - A number is divisible by 3.
Ans - Rule - A number digits is divisible by 3.
12 31 7380
777. 888
B An - 3.53,
"It is my absolute belief that Indians have unlimited talent, I have no doubt about our capabilities,"—Narendra Modi
"It is my absolute betief that ""



9
Date/  Date/  Date/  Page No.:  Page No.:  Page No.:  Date/  Date/  Page No.:  Page No.:  Date/  Date/_  Date
divisions of 10.  5 digit multiple of 10.  9995, 10,000
End the smallest 3-digit multiple  of 5. Also find the greatest 5 digit  number divisible by 3.
number divisible by 3.  Ans 10, 99999
10 @ Ans - 0990 B Ans - 102
BII B Ans - 630,690, 708  B Ans - 110
12-Test 96, 3261, 4733 and 70230 for divisibility by 2, 3, 5 and 10
Number 96 3261 4733 70230
Divisible by 2,3 3 None 2,3,5,

Q13 - To make divisible by 5, find the Amallest number to be added to @ 1706 6 93, @ sol - Numbers that end in o ors, are divisible by 10 so, 4 should be added. (b) To make it divisible by 5, we should add 3 so, 3 should be added. Q14 - @ Ans - 2. (b) Ans -Q15 @ Smallest 5 digit number divisible bys 5 mallest 5 digit number = 10000 3-1= 2 Ans = 10,000 + 2 = 10,002

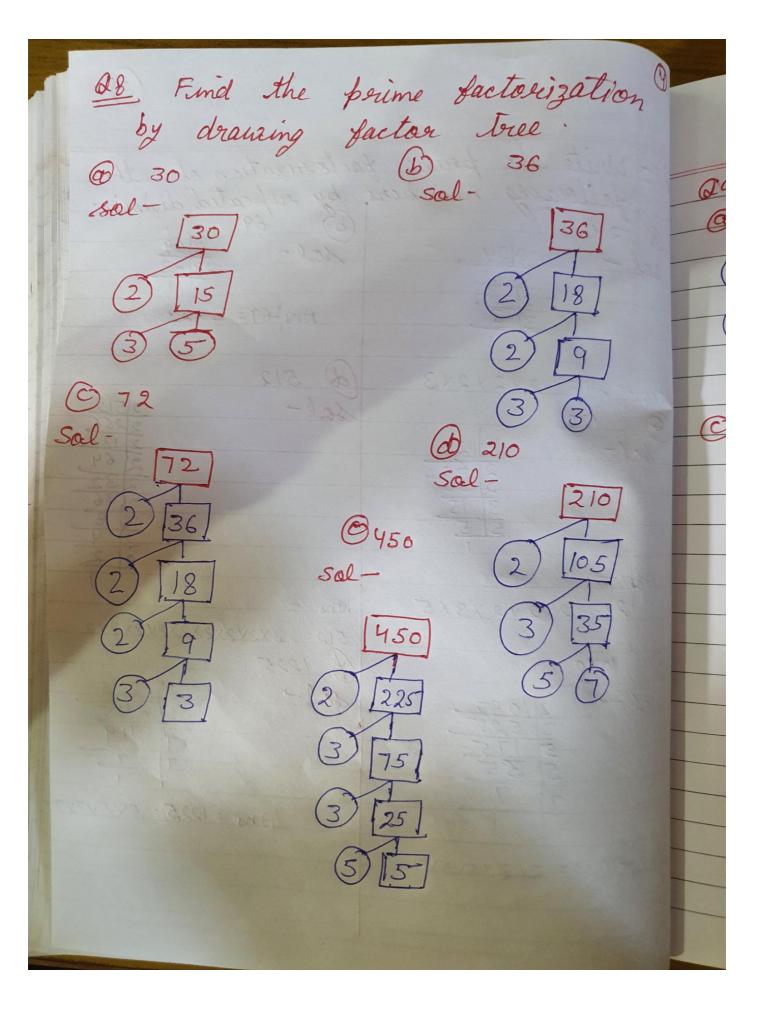


Q16 -@ 519 and 530, divisible by bath 2 and 3. Ans - 522, 528 (b) 825 and 845, divisible by bath 2 and 5 Ans - 830, 840

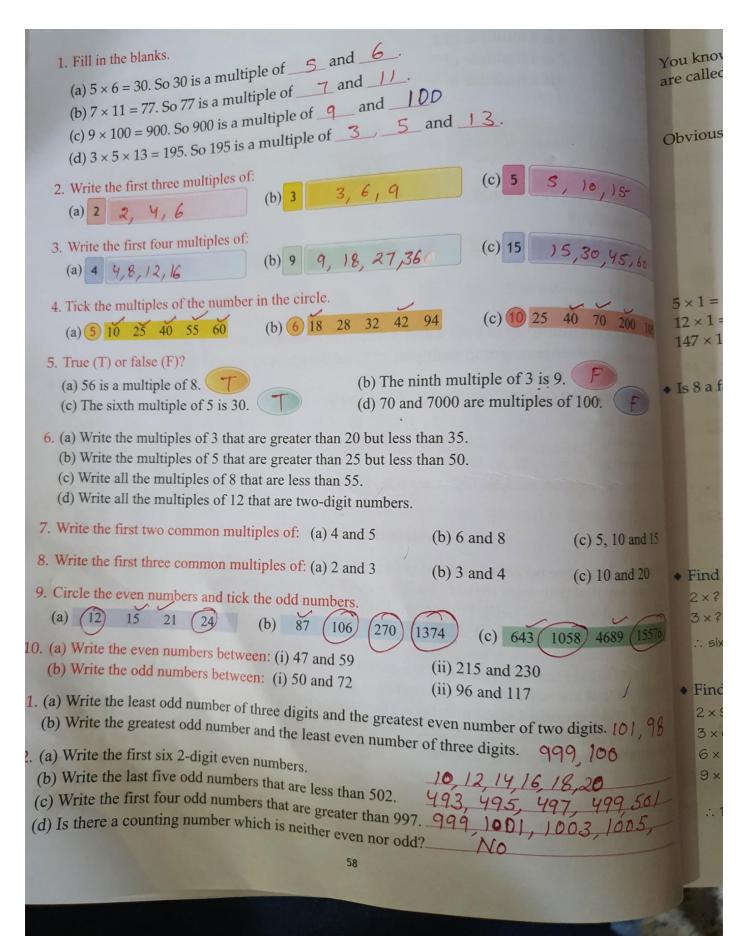
And March 200 P.
Exe - 8-2.  Page No.: —
2012
1 11 H. haime numbers
below 30. How many are they?
They are 10.
de la company de
a write all the Brime numbers
Detween 40 and 60.
Ans - 91, 43, 41, 53, 34
O Write two prime numbers whose
Silherance is 1.
Ans - 2 and 3
a de there a prime number which
is even? If so which number is st?
d Is there a prime number which is even? If so which number is it?  And Yes it is 2.
& 4-0 Write all the composite numbers below
20 - How many are sieg.
4, 6, 8, 9, 10; 12, 14, 15, 16, 18
(b) Write all the composite numbers between
15 and 25:
An 1 - 16, 18, 20, 21, 22, 24
"It is my absolute belief that indians have unlimited talent. I have no doubt about our capabilities."—Narendra Modi

240 Write the two mumbers whose differen	smallest comparite D	
26 Write the poris	me factors by breaking 6 r factors.	27-
@ 40		80
Sal - 240 220 210 55	Sal- 363 3/21 7/7	
2/10	77	<del>O</del> ns
		<b>6</b>
1Ans = 2,2,2,5		B
	Sol - 3/105 5/35 7/7	
Sal - 296 248 224 212 216 33	2133	D
26	Ans = 3,5,7	
Mu = 2,2,2,2,3	B 2520	0
840	sol - 2/2520, 2/1260 2/630,	ser
Sel- 2840 2420	3 3 15	
3 105-5 35	5 35	
47		Ons
Am 2,2,2,3,5,7	Ans: 2,2,2,3,3,5,7	

Date/	Page No.:
11- Write the porime of following numbers	by superted division
24 2/24 2/12 2/6	Sal - 3 69 23 23
3 3	Any 69 = 3 x 23
Ans: 24 = 2 x 2 x 2 x 3 50 120 Sol - 2/120	Sol - 25/2 2 256 2 128 2 64
2 60 3 30 3 15 5 5	232 216 22 8
Ans 120 = 2x2 x2 x3 x5	Ans: -
© 1050 sal — 2/1050	512 = 2x2x2x2x2x2x2x2x2x2x2x2 1225 sal - 5 1225
3 5,25 5 175 5 35	\$\\ 245 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
Dn 7 1050 = 2X 3 X5X5X7	Ans =1225 = 5×5×7×7
	mitted talent. I have no doubt about our capabilities."—Narendra Modi



Q9 @	Fill in to show	Page No.:—  Page No.:—  Sprime factorization  (b) [126]
(3) (3) (3)	378	(2) [63] (3) [21] (3) (7)
	2) [89] (3) [21] (3) [7)	2 210 2 105 3 35 5 7
	"It is my absolute belief that indians have	untimited talent, I have no doubt about our capabilities."—Narendra Modi





(a)  $5 \times 6 = 30$ , so 5 and 6 are **factors** of 30. 1. Fill in the blanks.

(c)  $12 = 2 \times 2 \times 3$ , so 2, 3, 4 and 6 are factors of 12.

(d)  $45 = 3 \times 3 \times 5$ , so 3, 5, 9 and 15 are \_\_\_\_\_\_ factors \_\_\_\_\_ of 45. by 16 and 9.

(e) 16 and 9 are factors of 144. So 144 is divisible 2. In each of the following, is the first number a factor of the second number?

(d) 15 465 (b) 9 147

3. In each of the following, is the second number a factor of the first number? (d) 1,848 56

(e) 1,350 18 (b) 264 (24)

4. Write two factors of the following numbers, other than 1 and the number itself.

(a) 75 35

(b) 84 2, 4

(c) 91 13,7

(d) 112 2, 4

(e) 126 23

(e) 9,555 g

(e) 18 918

A nui

For e

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by 23

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5. Write three factors of the following numbers, other than 1 and the number itself. (c) 105 3,5,7 (d) 715 5,11,13

(a) 30 2,3,5

(b) 36 2,3,4

(e) 1,430 35/

6. (a) Which of the following numbers are factors of 180? 1, 2, 3, 4, 6, 8, 10, 12, 15, 24, 35, 180

(b) Which of the following numbers are factors of 375? 1,3,4,5,8,9,13,15,25,37,75,375

7. Write all the factors of the following numbers.

of the following numbers.

(b) 20

(c) 32

(d) 54

(2,3,6,9,18,27,54

(e) 231

(3,7,11,3)

(33,7,11,3)

## A Game of Factors and Multiples

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

- Write 1, 2 and 3 in corner boxes that fall on a straight line.
- 1, 2 or 3 can be in a box around a number only if it is a multiple or a factor of the number.
- At a time, only one box around a number can be used for a line.

Use different colours for different

One line has been done for you. How many more can you do?

