(iii) If a is a nonzero whole number, then 0 + a = 0.

EXAMPLES (i) 0+3=0 (ii) 0+57=0, etc.

EXERCISE 3E

1. Divide and check your answer by the corresponding multiplication in each of the following:

(i) 1936+16 (ii) 19881+47 (iii) 257796+341 (iv) 612846+582 (v) 34419+149 (v) 39039+1001

2. Divide, and find out the quotient and remainder. Check your answer.

(i) 6971+47 (ii) 4178+35 (iii) 36195+153

(i) 6971+47 (ii) 4178+35 (iii) 36195+153 (iv) 93575+400 (v) 23025+1000 (vi) 16135+875

3. Find the value of

(i) 65007+1 (ii) 0+879

(iii) 981 + 5720 + 10 (iv) 1507 - (625 + 25)

(v) 32277 + (648 - 39) (vi) (1573 + 1573) - (1573 + 1573) 4. Find a whole number n such that n + n = n.

- 5. The product of two numbers is 504347. If one of the numbers is 317, find the other.
- On dividing 59761 by a certain number, the quotient is 189 and the remainder is 37. Find the divisor.
- On dividing 55390 by 299, the remainder is 75. Find the quotient using the division algorithm.
- 8. What least number must be subtracted from 13601 to get a number exactly divisible by 87?
- 9. What least number must be added to 1056 to get a number exactly divisible by 23?
- 10. Find the largest 4-digit number divisible by 16.11. Divide the largest 5 digit number by 653. Check your answer by the division algorithm.
- 12. Find the least 6-digit number exactly divisible by 83.
- 13. 1 dozen bananas cost ₹ 29. How many dozens can be purchased for ₹ 1392?
- 14. 19625 trees have been equally planted in 157 rows. Find the number of trees in each row.
- 15. The population of a town is 517530. If one out of every 15 is reported to be literate, find how many literate persons are there in the town.
- 16. The cost price of 23 colour television sets is ₹ 570055. Determine the cost price of each TV set if each costs the same.

EXERCISE 3F

OBJECTIVE QUESTIONS

Mark (/) against the correct answer in each of the following:

1. The smallest whole number is
(a) 1 (b) 0 (c) 2 (d) none of these

2. The least number of 4 digits which is exactly divisible by 9 is
(a) 1018 (b) 1026 (c) 1009 (d) 1008

4. What least number should be subtracted from 10004 to get a number exactly by 12? (a) 4 (b) 6 (c) 8 (d) 20 5. What least number should be added to 10056 to get a number exactly divisible by (a) 5 (b) 18 (c) 13 (c) 18 6. What whole number is nearest to 457 which is divisible by 11? (a) 450 (b) 451 (c) 460 (d) 462 7. How many whole numbers are there between 1018 and 1203? (a) 185 (b) 186 (c) 184 (d) none of thes 8. A number when divided by 46 gives 11 as quotient and 15 as remainder. The nu (a) 491 (b) 521 (c) 701 (d) 679 9. In a division sum, we have dividend = 199, quotient = 16 and remainder = 7. The (a) 11 (a) 11 (b) 23 (c) 12 (d) none of thes 11. 587 × 99 = ? (a) 57213 (b) 58513 (c) 58113 (d) 56413 12. 4×538×25 = ? (a) 32280 (b) 26900 (c) 53800 (d) 10760 13. 24679 × 92 + 24679 × 8 = ? (a) 493580 (b) 1233950 (c) 2467900 (d) none of the 14. 1625×1625 + 625 × 625 = ? (a) 1625000 (b) 162500 (c) 325000 (d) 812500 15. 588×185 - 1568×85 = ?	3.		of 6 digits which is exa (b) 999982		(d) 999964			
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18. The product of two odd numbers is (a) an odd number (b) an even number (c) a prime number (d) none of the set of the	1.			(c) a prime number	(d) a multiple of 3			
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21. The successor of 1001 is (a) 1000 (b) 1002 (c) none of these								
(a) 1000 (b) 1002 (c) none of these				(c) none of these				
	21.	CONTROL OF THE PERSON NAMED IN						
22. The smallest even whole number is				(c) none of these				
	22.	The smallest even wh	iole number is					

(c) none of these

(a) 0

(b) 2

TEST PAPER-3

Α.	1.	How many whole	e numbers are there b	between 1064 and 120	1?			
	2.	Fill in the blanks.						
		1000000						
			1					
		-	*7042 *					
	3.	. Use distributive law to find the value of						
		1063 × 128 – 1063 × 28.						
	4.	Find the product of the largest 5-digit number and the largest 3-digit number using distributive law.						
	5.	Divide 53968 by 267 and check the result by the division algorithm.						
		Find the largest 6-digit number divisible by 16.						
		7. The cost price of 23 TV sets is ₹ 570055. Find the cost of each such set.						
		8. What least number must be subtracted from 13801 to get a number exactly divisible by 87?						
В.	Mark (/) against the correct answer in each of the following:							
	9.	The value of (89	$9 \times 76 + 89 \times 24$) is					
		(a) 890	(b) 8900	(c) 89000	(d) 10420			
	10.	On dividing a number by 53 we get 8 as quotient and 5 as remainder. The number is						
		(a) 419	(b) 423	(c) 429	(d) none of these			
	11.	The whole nun	aber which has no pre	edecessor is				
		(a) 1	(b) 0	(c) 2	(d) none of these			
	12.	2. $67 + 33 = 33 + 67$ is an example of						
		(a) closure property			(b) associative property			
		(c) commutative property		(d) distributive property				
	13.	Additive invers	se of 36 is					
		(a) $\frac{1}{36}$	(b) 0	(c) -36	(d) none of these			
	14	14. Which of the following is not zero?						
		(a) 0×0	2	(c) $\frac{(8-8)}{2}$	(d) 2 + 0			
	15	. The predecess	or of the smallest 3-d	igit number is				
		(a) 999	(b) 100	(c) 101	(d) 99			
	16	16. The number of whole numbers between the smallest whole number and the greates 2-digit number is						
		(a) 88	(b) 98	(c) 99	(d) 101			
c	. 17	. Fill in the blo	unks.	is				

(ii) The smallest whole number is(iii) Division by is not defined.

(iv) is a whole number which is not a natural number.(v) is the multiplicative identity in whole numbers.

D. 18. Write 'T' for true and 'F' for false in each of the following:

- (i) 0 is the smallest natural number.
- (ii) Every natural number is a whole number.
- (iii) Every whole number is a natural number.
- (iv) 1 has no predecessor in whole numbers.

E. 19. Match the following columns on whole numbers:

Column A

- (a) 137 + 63 = 63 + 137
- (b) (16×25) is a whole number
- (c) $365 \times 18 = 18 \times 365$
- (d) $(86 \times 14) \times 25 = 86 \times (14 \times 25)$
- (e) $23 \times (80 + 5) = (23 \times 80) + (23 \times 5)$

Column B

- (i) Associativity of multiplication
- (ii) Commutativity of multiplication
- (iii) Distributive law of multiplication over addition
- (iv) Commutativity of addition
- (v) Closure property for multiplication

Note: Do all work in maths copy