

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

EXAMPLES

(i)  $0 + 3 = 0$

(ii)  $0 + 57 = 0$ , etc.

### EXERCISE 3E

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

(i) $1936 \div 16$	(ii) $19881 \div 47$	(iii) $257796 \div 341$
(iv) $612846 \div 582$	(v) $34419 \div 149$	(vi) $39039 \div 1001$
- Divide, and find out the quotient and remainder. Check your answer.
 

(i) $6971 \div 47$	(ii) $4178 \div 35$	(iii) $36195 \div 153$
(iv) $93575 \div 400$	(v) $23025 \div 1000$	(vi) $16135 \div 875$
- Find the value of
 

(i) $65007 \div 1$	(ii) $0 \div 879$
(iii) $981 \div 5720 \div 10$	(iv) $1507 - (625 \div 25)$
(v) $32277 \div (648 - 39)$	(vi) $(1573 \div 1573) - (1573 \div 1573)$
- Find a whole number  $n$  such that  $n + n = n$ .
- 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.
- What least number must be subtracted from 13601 to get a number exactly divisible by 87?
- What least number must be added to 1056 to get a number exactly divisible by 23?
- Find the largest 4-digit number divisible by 16.
- Divide the largest 5 digit number by 653. Check your answer by the division algorithm.
- Find the least 6-digit number exactly divisible by 83.
- 1 dozen bananas cost ₹ 29. How many dozens can be purchased for ₹ 1392?
- 19625 trees have been equally planted in 157 rows. Find the number of trees in each row.
- 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.
- 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:

- The smallest whole number is
 

(a) 1	(b) 0	(c) 2	(d) none of these
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- The least number of 4 digits which is exactly divisible by 9 is
 

(a) 1018	(b) 1026	(c) 1009	(d) 1008
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3. The largest number of 6 digits which is exactly divisible by 16 is  
(a) 999980 (b) 999982 (c) 999984 (d) 999964
4. What least number should be subtracted from 10004 to get a number exactly divisible 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 23?  
(a) 5 (b) 18 (c) 13 (d) 10
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 these
8. A number when divided by 46 gives 11 as quotient and 15 as remainder. The number is  
(a) 491 (b) 521 (c) 701 (d) 679
9. In a division sum, we have dividend = 199, quotient = 16 and remainder = 7. The divisor is  
(a) 11 (b) 23 (c) 12 (d) none of these
10.  $7589 - ? = 3434$   
(a) 11023 (b) 4245 (c) 4155 (d) none of these
11.  $587 \times 99 = ?$   
(a) 57213 (b) 58513 (c) 58113 (d) 56413
12.  $4 \times 538 \times 25 = ?$   
(a) 32280 (b) 26900 (c) 53800 (d) 10760
13.  $24679 \times 92 + 24679 \times 8 = ?$   
(a) 493580 (b) 1233950 (c) 2467900 (d) none of these
14.  $1625 \times 1625 - 1625 \times 625 = ?$   
(a) 1625000 (b) 162500 (c) 325000 (d) 812500
15.  $1568 \times 185 - 1568 \times 85 = ?$   
(a) 7840 (b) 15680 (c) 156800 (d) none of these
16.  $(888 + 777 + 555) = (111 \times ?)$   
(a) 120 (b) 280 (c) 20 (d) 140
17. The sum of two odd numbers is  
(a) an odd number (b) an even number (c) a prime number (d) a multiple of 3
18. The product of two odd numbers is  
(a) an odd number (b) an even number (c) a prime number (d) none of these
19. If  $a$  is a whole number such that  $a + a = a$ , then  $a = ?$   
(a) 1 (b) 2 (c) 3 (d) none of these
20. The predecessor of 10000 is  
(a) 10001 (b) 9999 (c) none of these
21. The successor of 1001 is  
(a) 1000 (b) 1002 (c) none of these
22. The smallest even whole number is  
(a) 0 (b) 2 (c) none of these

## TEST PAPER-3

- A. 1. How many whole numbers are there between 1064 and 1201?  
2. Fill in the blanks.

$$\begin{array}{r} 1000000 \\ - \quad * * * * 1 \\ \hline * 7042 * \end{array}$$

3. Use distributive law to find the value of

$$1063 \times 128 - 1063 \times 28.$$

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.  
6. 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?

**B. Mark (✓) against the correct answer in each of the following:**

9. The value of  $(89 \times 76 + 89 \times 24)$  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 number which has no predecessor is  
(a) 1 (b) 0 (c) 2 (d) none of these
12.  $67 + 33 = 33 + 67$  is an example of  
(a) closure property (b) associative property  
(c) commutative property (d) distributive property
13. Additive inverse of 36 is  
(a)  $\frac{1}{36}$  (b) 0 (c) -36 (d) none of these
14. Which of the following is not zero?  
(a)  $0 \times 0$  (b)  $\frac{0}{2}$  (c)  $\frac{(8-8)}{2}$  (d)  $2 + 0$
15. The predecessor of the smallest 3-digit number is  
(a) 999 (b) 100 (c) 101 (d) 99
16. The number of whole numbers between the smallest whole number and the greatest 2-digit number is  
(a) 88 (b) 98 (c) 99 (d) 101

**C. 17. Fill in the blanks.**

- (i) The smallest natural number 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)  $(16 \times 25)$  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

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Note : Do all work in maths copy