

## Maths Worksheet Grade VI Whole Numbers (With Answers)

Q1 Write the smallest natural and smallest whole number.

Q2 Match the column

Closure Property	If a is any whole number, then $a \times 0 = 0 = 0 \times a$ .
Commutative property	If a and b are any two whole numbers, then $a + b$ , $a \times b$ are also whole numbers.
Associative property	If a is any whole number, then $a \times 1 = a = 1 \times a$ .
Distributive property	If a is any whole number, then $a \div 0$ is not defined
Additive Identity	If a, b and c are any two whole numbers, then $(a + b) + c = a + (b + c)$ and $(a \times b) \times c = a \times (b \times c)$ .
Multiplicative Identity	If a and b are any two whole numbers, then $a + b = b + a$ and $a \times b = b \times a$ .
Multiplication by zero	If a, b and c are any two whole numbers, then $a(b + c) = a \times b + a \times c$ .
Division by zero	If a is any whole number, then $a + 0 = a = 0 + a$ .

Q3 Match the column

$191 + 13 = 13 + 191$	Associative Property of Multiplication.
$90 + 0 = 00$	Distributive Property of Multiplication over Addition.
$(78 + 1) + 11 = 78 + (1 + 11)$	Commutative Property of Multiplication
$(121 \times 4) \times 80 = 121 \times (4 \times 80)$	Distributive Property of Multiplication over Subtraction.
$12 \times (10 + 85) = 12 \times 10 + 12 \times 85$	Associative Property of Addition
$71 \times (11 - 3) = 71 \times 11 - 71 \times 3$	Additive Identity
$10 \times 45 = 45 \times 10$	Commutative Property of Addition.

Q4 Fill in the blanks

(a)  $\underline{\quad} \times 13 = 13 \times 18$

(b) Whole numbers are closed under  $\underline{\quad}$  and  $\underline{\quad}$  operation.

(c) Division by  $\underline{\quad}$  is not defined.

(d)  $\underline{\quad}$  is the identity for multiplication.

Q5 How many whole numbers are there between 12 and 86

Q6 Find the product using Distributive property

(a)  $168 \times 102$

(b)  $625 \times 279 - 625 \times 79$

Q7 Find the successor and predecessor of each of the following whole numbers:

(i) 999

(ii) 21999

(iii) 4001

(iv) 500012

(v) 11111

Q8 Seema got 99 marks in Math, 69 marks in English, and 91 in Science. Another student Rita got 92 marks in Math, 33 in English and 84 in Science. What are their total marks?

Q9 Ramesh ordered 10 cartons of chocolates to distribute among the class. Each carton holds 20 boxes and each box has 12 chocolates. How many chocolates did Ramesh order altogether?

Q10 Mukesh lives form a hostel which charges Rs 85 for Dinner and 115 for Lunch. Find the money he has to pay for seven days.

**Answer:**

1

The smallest natural number is 1

The smallest whole number is 0.

2.

Closure Property	If a and b are any two whole numbers, then $a + b$ , $a \times b$ are also whole numbers.
Commutative property	If a and b are any two whole numbers, then $a + b = b + a$ and $a \times b = b \times a$ .
Associative property	If a, b and c are any two whole numbers, then $(a + b) + c = a + (b + c)$ and $(a \times b) \times c = a \times (b \times c)$ .
Distributive property	If a, b and c are any two whole numbers, then $a(b + c) = a \times b + a \times c$ .
Additive Identity	If a is any whole number, then $a + 0 = a = 0 + a$ .
Multiplicative Identity	If a is any whole number, then $a \times 1 = a = 1 \times a$
Multiplication by zero	If a is any whole number, then $a \times 0 = 0 = 0 \times a$ .
Division by zero	If a is any whole number, then $a \div 0$ is not defined

3.

$191 + 13 = 13 + 191$	Commutative Property of Addition
$90 + 0 = 90$	Additive Identity
$(78 + 1) + 11 = 78 + (1 + 11)$	Associative Property of Addition
$(121 \times 4) \times 80 = 121 \times (4 \times 80)$	Associative Property of Multiplication.
$12 \times (10 + 85) = 12 \times 10 + 12 \times 85$	Distributive Property of Multiplication over Addition.
$71 \times (11 - 3) = 71 \times 11 - 71 \times 3$	Distributive Property of Multiplication over Subtraction.
$10 \times 45 = 45 \times 10$	. Commutative Property of Multiplication

4.

(a) 18

(b) Addition and Multiplication

(c) 0

(d) 1

5. 75

6.

(a)  $168 \times 102 = 168 \times (100+2) = 16800 + 336 = 17136$

(b)  $625 \times 279 - 625 \times 79 = 625 \times (279 - 79) = 625 \times 200 = 125000$

7.

(i) 1000, 998

(ii) 22000, 21998

(iii) 4002, 4000

(iv) 500013500011

(v) 11112, 11110

8) Marks obtained by Seema :

Math = 99

English = 69

Science = 91

$\therefore$  Total marks obtained by Seema =  $99 + 69 + 91 = 259$

Marks obtained by Rita :

Math = 92

English = 32

Science = 84

So Total marks obtained by Rita =  $92 + 33 + 84 = 209$

9) 240 chocolates

10) Amount paid for lunch = 115

Amount paid for dinner = 85

Number of days = 7

Money paid by him in 7 days =  $7 \times (85 + 115) = 1400$