INDIAN SCHOOL AL WADI AL KABIR

Class VI, Mathematics **_Worksheet_**
Properties of Whole numbers & Patterns with Whole numbers
07-05-20

Department of Mathematics

	OBJECTIVE TYPE (1 Mark)							
Q.1.	Of the following, which is the number which when multiplied by 82, results in 82?							
	A	0	B	82	C	$\frac{1}{82}$	D	1
Q.2.	Which of the following number can be shown as a square?							
	A	6	B	5	C	9	D	10
Q.3.	A number remains unchanged when added to -------.							
	A	1	B	0	C	itself	D	10
Q.4.	Which property is satisfied by division of whole numbers?							
	A	Closure Property	B	Commutative Property	C	Associative Property	D	None of these
Q.5.	Which of the following will not represent zero?							
	A	$1 - 0$	B	0 x 0	C	$\frac{6-6}{2}$	D	$\frac{0}{1}$
Q.6.	Closure property is satisfied by whole numbers with respect to which of these operations?							
	A	Addition & Subtraction	B	Addition & Multiplication	C	Multiplication and Division	D	Addition & Division
Q.7.	Find the product: 0 x (98 + 14)							
	A	112	B	0	C	1	D	0 + 98 +14

Q.8.	Study the pattern and fill in the blanks: $1 \times 8 + 1 = 9$ $12 \times 8 + 2 = 98$ $123 \times 8 + 3 = \text{--------}$							
	A	963	B	998	C	987	D	98

Q.9.	(6 x 7) x 3 = (7 x 6) x 3 is an example of which property with respect to multiplication?							
	A	Associative property	B	Distributive property	C	Closure property	D	Commutative property

Q.10.	What is the additive identity of 23?							
	A	24	B	23	C	0	D	1

Fill in the blanks(1mark)

Q.11.	The number which can be shown as a triangle is _____
Q.12.	The statement $(4 + 5) + 9 = 4 + (5 + 9)$ shows that addition of whole numbers is_____
Q.13.	_____ x 56 = 56 x 12.
Q.14.	The identity for multiplication of whole numbers is _____
Q.15.	_____ is the only whole number which when divided by itself gives a quotient equal to itself.

SECTION B (2 marks)

Q.16.	If you are on diet and have a breakfast consisting of 153 calories, a lunch consisting of 350 calories, and a dinner consisting of 947 calories, then find the sum of calories consumed that day. (Use appropriate property to get answer easily)
Q.17.	Write the property for each of the following: a) 16 + 20 = 36, a whole number_____ b) 20 x (10 + 5) = (20 x 10) + (20 x 5) _____ c) 56 + 89 = 89 + 56 _____ d) 34 + (12 + 23) = (34 + 12) + 23 _____
Q.18.	Find the product by suitable rearrangement: 2 × 2950 × 50
Q.19.	Find by using distributive property: 91625 x 179 – 91625 x 79

Q.20.	Find the sum by suitable rearrangement:
	284 + 169 + 516

SECTION C (4marks)	
Q.21.	A milk booth sold 130 litres of milk in the morning and 70 litres of milk in the evening. If the milk costs ₹ 52 per litre, how much money the booth collected per day?
Q.22.	In a bouquet, there are 7 roses and 8 gladioli. In 9 bouquets, how many flowers are there? (Use distributive property)
Q.23.	Find the value of the product by suitable rearrangement: 225 x 20 x 8 x 15

Q.24.	Find the product by using distributive property:
	   a) 290 x 105
	   b) 1123 x 648 + 1123 x 122 + 1123 x 230

Q.25.	Shelly eats from a hotel which charges ₹55 for lunch and ₹45 for dinner. How much money he has to pay for seven days?

Answers

	1	D	2	C	3	B	4	D
Answers	5	A	6	B	7	B	8	C
	9	D	10	C	11	3 or 6 or 10	12	Associative
	13	12	14	1	15	1	16	1,450calories
	17a)	Closure property	17 b)	Distributive property	17c)	Commutative property	17d)	Associative property
	18	2,95,000	19	91,62,500	20	969	21	₹10,400
	22	135	23	5,40,000	24	a) 30,450 b) 11,23,000	25	₹700

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