



INDIAN SCHOOL AL WADI AL KABIR
Class VI, Mathematics *Worksheet*
Properties of Whole numbers & Patterns with Whole numbers
30-04-20

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	0×0	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: $0 \times (98 + 14)$							
	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.	$(6 \times 7) \times 3 = (7 \times 6) \times 3$ 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.	_____ $\times 56 = 56 \times 12$.							
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) $20 \times (10 + 5) = (20 \times 10) + (20 \times 5)$ _____ c) $56 + 89 = 89 + 56$ _____ d) $34 + (12 + 23) = (34 + 12) + 23$ _____							
Q.18.	Find the product by suitable rearrangement: $2 \times 2950 \times 50$							
Q.19.	Find by using distributive property: $91625 \times 179 - 91625 \times 79$							
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: $225 \times 20 \times 8 \times 15$
Q.24.	Find the product by using distributive property: a) 290×105 b) $1123 \times 648 + 1123 \times 122 + 1123 \times 230$
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?
