	Demo For Integers Class 7th ^{11 March 2024} 08:33
	When numbers have
	1 Same sign Add Numbers
	2. Opposite Sign \longrightarrow Subtract Numbers3, -2, -1, 0, 1, 2, 3,
	3. For sign in answer → Follow bigger number Whole Numbers
	0, 1, 2, 3, 4, 5
	When sign are together
	1. Same sign Make +
	2. Opposite Sign> Make -
•	
	Closure Property: After adding two integers if we receive answer as a integer,
	it's called Closure property.
	5+3=8 (Integer) $9-3=6$ (Integer)
	$9 \times 8 = 72$ (Integer) $8 \div 9 = 0.88$ (Not an Integer)
	We proved that Closure works under addition subtraction and multiplication.
	Commutativity: After replacing Integers if we get same answer, it's called
	commutativity.
	$(7 \times 9) = 63$ $(6+3) = 9$
	$(9 \times 7) = 63 (3+6) = 9$
•	$(3 \times 1) = 6 \times ((3 + 6) =)$
	We proved that commutativity works with addition and multiplication.
	Associativity: After changing calculation order of integers if we get same
	answer, it's called Associativity.
	$(-7 \times 6) \times 3 = -7 \times (6 \times 3)$

 $= -7 \chi (\chi 3)$ $(-7 \times 6) \times 3$ $-42 \times 3 = -7 \times 18$ -126 = -126We proved that associativity works with Addition and multiplication Identity Property: When we multiply 1 with any number, we receive same answer, it's called Identity property 6XI = 6 7XI = 7Hence it's proved that 1 is a multiplicative identity **Distributivity property:** 100(33+7)= 100×33+100×7 = 3300 + 700 = 4000