

INDIAN SCHOOL AL WADI AL KABIR Class VII, Mathematics *Worksheet- DIVISION OF INTEGERS* 14-08-2020

OBJECTIVE TYPE (1 Mark)							
Q.1.	Which of the following do	oes no	t an integer?				
	Α	В		С		D	3 ÷ (-5)
Q.2.	(– 12) ÷ 3 is not same as	;					
	Α	В		С		D	3 ÷ (-12)
Q.3.	The quotient of two integers with unlike signs is						
	Α	В	Negative	С		D	
Q.4.	$(12-48) \div 6$ is equal to						
	A -6	В		С		D	
Q.5.	Divide 17654 by (– 1765	4) is					1
	Α	В		С	-1	D	
Q.6.	For any integer $a , a \div 0$	is:					
	Α	В		C		D	Not defined
Q.7.	Division of integers are n	ot hol	ding the property o	f			
	Α	В		С		Q	All of these

Q.8.	By which integer 201 must be divided to get the quotient – 201 ?							
Q	Α		В		С	-1	D	
Q.9.	If $x = -108$ and $y = 18$, then $x \div y$ will be equal to :							
	Α		В		С	-6	D	
Q.10	Th	e value of $0 \div (-325)$)					
	A	0	В		С		D	
Fill in the blanks(1mark)								
Q11.	Division of a negative integer by another negative integer is - POSITIVE							
Q12.	$96 \div 8 = -12$							
Q13.	The value of $(-61) \div [(-60) + (-1)]$ is 1							
Q14.	(– 1) multiply 2k times, where k is any natural number. Then the value will be $= 1$							
Q15.	$(-8) + (-8) + (-8) = 3 \times (-8)$							
SECTION B (2 marks)								
Q16.	An aeroplane was flying at a height of 1800 m. If it descends at a constant rate of 60 m per minute,							
	no The	e height of an aeroplane	from th	to a neight of 300 ne ground level = 180	ш : 0 m			
	Descending rate per minute = 60 m per minute							
	Descending height = – 300 m							
	Ve	rtical distance = 1800 – (- 300 n	n) = 2100m				
	Tin	ne taken to descend = 22	100/60	= 35 minutes				
Q17.	If 28 times an integer is – 532,							
	The integer = – 19							
Q18.	Write any two pairs of integers (a, b), such that $a \div b = -5$.							
	$(-10) \div 2 = -5, 20 \div (-4) = -5,$							

Q19.	Evaluate (-73) ÷ [(-41) + (-32)] = (-73) ÷ (-73) = 1					
Q20.	The product of two integers i= 156.					
	One of the integer $=$ -4 ,					
	Other integer = $156/-4 = -39$					
	SECTION C (4marks)					
Q21.	1. Simplify and find the value of $[(-42) + 12] \div [(-18) + (-12)]$ = $(-30) \div (-30) = 1$					
Q22.	Marks given for every correct answer $= 3$					
	Marks given for every incorrect answer $= -1$					
	Total score of Sona = 20					
	Marks scored for 10 correct answers = $10 \times 3 = 30$					
	Marks lost for incorrect answers $= 20 - 30 = -10$					
	Therefore, incorrect answers she had attempted = $(-10) \div (-1) = 10$ question					
	No. of questions were given in the test = $10 + 10 = 20$ questions					
Q23.	(i) Profit earned by selling one pen = Re 1 Profit earned by selling 45 pens = Rs $45 = + \text{Rs } 45$ Total loss given = Rs $5 = - \text{Rs } 5$ Profit earned + Loss incurred = Total loss Therefore, Loss incurred = Total Loss - Profit earned = Rs (-5 - 45) = Rs (-50) = -5000 paise Loss incurred by selling one pencil = 40 paise = -40 paise So, number of pencils sold = (-5000) ÷ (-40) = 125 pencils.					
) In the next month there is neither profit nor loss.					
	So, Profit earned + Loss incurred = 0 i.e., Profit earned = – Loss incurred. Now, profit earned by selling 70 pens = Rs 70 Hence, loss incurred by selling pencils = Rs $70 = - Rs 70 = - 7,000$ paise. Total number of pencils sold = $(-7000) \div (-40) = 175$ pencils.					
Q24.	Find the value and compare which is greater.					
	$[28+(-5+-7)] \div (-2\times8)$ OR $[-28+(5+-7)] \div (5\times-2)$					
	$[28 + (-12)] \div (-2 \times 8)$ $[-28 + (-2)] \div (5 \times -2)$					
	$[16] \div (-16) = -1$ $[-30] \div (-10) = 3$					
	-1 < 3					
	$[28 + (-5 + -7)] \div (-2 \times 8) < [-28 + (5 + -7)] \div (5 \times -2)$					

Q25.	Marks for each correct answer $= 5$				
	Marks for each incorrect answers $=$ - 2				
	Total score of Pankhuri $= 26$				
	Marks lost for 2 incorrect answers $= 2 \times -2 = -4$				
	Marks awarded for correct answers = $26 - (-4) = 30$				
	Therefore, no. of questions answered correctly = 30/5 = 6				