YEAR 8 MATHEMATICS WEEK 5 2020 (TERM 2)

Year: 8

STRAND: NUMBERS

Date: Monday 15 June 2020

TOPIC: Directed Numbers

LESSON OUTCOME: At the end of this lesson student(s) should be able to multiply numbers between +10 and -10.

Instructions: Hi dear Parents/Guardians and students - In this Lesson students are going to multiply numbers between +10 and -10 by doing the selected questions for Exercise 2.8.

[Note that all the Quizzes/Test and or Assignment will be based on the selected questions for each exercise. These lessons are designed for **one hour per Lesson**.]

What to do: Do the following selected questions

Exercise 2.8: Q1 (h, i, m, n, o)

Solutions: Solutions will be available online via

https://www.facebook.com/centralschoolemergencyforum/posts/108720557434149

Multiplying Directed Numbers

In order for us to be able to multiply positive and negative numbers, let's look at the following rules.

A. + x	+ =	+	1.	. When the signs are the same,				
B x	- =	+			the answer is positive.			
C. + x	- =	-	2.	When the signs are different,				
D x	+ =	-		the	e ans	wer	is negative.	
Example 1	Evaluate	9 2	×	-3				
		-2	х	-3				
	Same sig	gn	SO,	-2 ×	-3 =	+6		
_								
Example 2	Evaluate			+4				
		-3	×	+4				
	Different signs so, $-3 \times +4 = -12$							
Example 3	Evoluate	-2		-				
Example 5	Evaluate		×	7	×	-2		
		-3	×				(work from left to right)	
		(-3	X	7)		-2	(different signs)	
		=	-21	×	-2		(same signs)	
		=	42					
EXERCISE 2.8								
1. Evaluate								
a. 12 x 6		f(6 x -5			k	⁻ 8 × 12 × 1	
b. 7 x 5	9. $1\frac{1}{2} \times -6$						6 × 8 × 2	
c. 8 x 10	h. $2\frac{1}{4} \times 8$						-4 × -5 × -5	
d. 11x 4		i	10 ¹ / ₂ ×	-4				
e20 x -7		j. 6	× 4	× -3			4 × 6 × 2 2 × 8 × 2	
						0.	2 × 0 × 2	
A								

34