YEAR 8 MATHEMATICS WEEK 5 2020 (TERM 2)

Year: 8 Date: Tuesday 16 June 2020

STRAND: NUMBERS TOPIC: Directed Numbers

LESSON OUTCOME: At the end of this lesson student(s) should be able to divide

numbers between +10 and -10.

Instructions: Hi dear Parents/Guardians and students - In this Lesson students are going to divide numbers between +10 and -10 by doing the selected questions for Exercise 2.9.

[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 2.9: Q1; Q15; Q18; Q25; Q34; Q37; Q45

Solutions: Solutions will be available online via

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

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Copy the table below into your exercise book and answer the question.
This multiplication table below contains 42 mistakes. Shade in each box that contains a mistake.

YOU WILL END UP WITH A FAMOUS FARMING EXPRESSION!

		THE REAL PROPERTY.		STATE OF THE PARTY OF				STATE OF THE PARTY NAMED IN	-							
1	×	2	-4	-9	6	3	8	-1	4	-8	-2	-6	7	-5	9	-7
L	-3	6	-12	-27	-18	9	-24	-3	12	-24	6	-18	-21	-15	27	-21
L	9	-18	-36	-81	54	-27	72	9	36	-72	-18	54	63	45	81	63
L	-6	12	-24	54	-36	18	-48	-6	24	48	12	-36	-42	-30	-54	-42
L	5	-10	-20	-45	30	-15	40	5	20	-40	-10	30	35	25	45	35
L	7	14	-28	-63	-42	21	-56	-7	28	-56	14	-42	-49	-35	63	-49

Dividing Directed Numbers

B.

To enable us to divide positive and negative numbers, let us study these rules.

A. $+ \div + = + 1$. When the signs are the same,

C. $+ \div - = -$ 2. When the signs are different,

D. \div + = - the answer is negative.

Example 1 Find the answer to 18 ÷ 6

=

+18 ÷ -6

the answer is positive.

Different sign so, $18 \div 6 = 3$

Example 2 Find the answer to 8 ÷ 2

-8 ÷ -2

Same sign so, $8 \div 2 = 4$

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EXERCISE 2.9

1.	49 ÷ ⁻ 7
2.	-14 ÷ -2
3.	-24 ÷ 3

Order of Operations

Reminder:

Do 1. All brackets first

2. All times (x) and division (÷) from left to right

3. All plus (+) and minus (-) from left to right.

Example 1 Simplify (-2 -4) x 2

$$= -6 \times 2$$

Example 2 Simplify 1x

Simplify 1x 7 - (24 2)

$$= 7 + 12$$

= 19



do the bracket first