

Definitions Sheet

Whole numbers: 0 , 1 , 2 , 3 , ...

Integer numbers: - 3 , - 2 , - 1 , 0 , 1 , 2 , 3

Counting numbers: 1 , 2 , 3 , 4 , 5 , 6

Real numbers: Any number on the number line (decimals, fractions, integers)

Multiples of three: ... -9 , -6 , -3 , 3 , 6 , 9 , 12 , 15

Evens: ... 2 , 4 , 6 , 8 , 10 , 12

Odds: ... 1 , 3 , 5 , 7 , 9 , 11 ...

Closure Math

- 1) Does addition have closure within the even numbers? yes
- 2) Does addition have closure within the odds numbers? No, because $3 + 3 = 6$
- 3) Does addition have closure within the decimal numbers? No, because $2.4 + 1.6 = 4$

Complete the chart below according to today's lesson

Operation	Set of Number	CLOSURE?	Given an example ?
Addition	even	yes	$2 + 2 = 4$
Addition	odd	no	$3 + 3 = 6$
Addition	decimals	no	$2.4 + 1.6 = 4$
Addition	integers		
Addition	Whole numbers		
Subtraction	evens		
Subtraction	odds		
Subtraction	integers		
Division	odds		
Division	evens		
Division	integers		
Multiplication	fractions		
Multiplication	evens		
Multiplication	odds		
Multiplication	integers		
		NO	$7 * 3 = 21$

Closure Math

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Complete the chart below according to today's lesson

Operation	Set of Number	CLOSURE?	Given an example ?
Addition	even	yes	$2 + 2 = 4$
Addition	odd	no	$3 + 3 = 6$
Addition	decimals	no	$2.4 + 1.6 = 4$
Addition	integers	yes	$1 + 13 = 14$
Addition	Whole numbers	yes	$2 + 3 = 5$
Subtraction	evens	yes	$10 - 4 = 6$
Subtraction	odds	No	$11 - 5 = 6$
Subtraction	integers	yes	$13 - 20 = -7$
Division	odds	No	$5 / 3 = 1.6666$
Division	evens	No	$10 / 8 = 12.5$
Division	integers	No	$10 / 8 = 12.5$
Multiplication	fractions	No	$2/3 \times 3/2 = 1$
Multiplication	evens	yes	$2 \times 4 = 8$
Multiplication	odds	yes	$3 \times 11 = 33$
Multiplication	integers	yes	$2 \times 3 = 6$

See student work

NO

$$7 * 3 = 21$$
