9-19-17

Aim: SWBAT continue adding and subtracting intergers AND SWBAT translate division 3 ways.

HW: Finish WS
Quiz tomorrow (add, subtract)
Test next week

Do Now: Top left set of questions on worksheet

Same Signs: Add & Keep
Diff. Signs: Subtract & Think

Evaluate.

$2 + (-3)$ → $2 - 3$ → -1

$2 - (-3)$ → $2 + 3$ → 5

$-3 - 2$ → -5

$-2 + (-3)$ → $-2 - 3$ → -5

$-2 - (-3)$ → $-2 + 3$ → 1

$-3 - (-2)$ → $-3 + 2$ → -1

$-2 + 3$ → 1

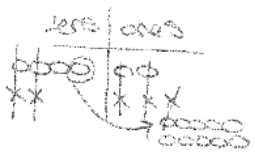
$-2 - 3$ → -5

$3 - (-2)$ → $3 + 2$ → 5

Pg. 66 # 12-23

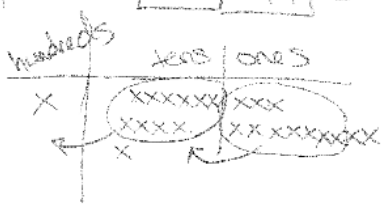
(12) $42 + (-23)$

$42 - 23 = 19$



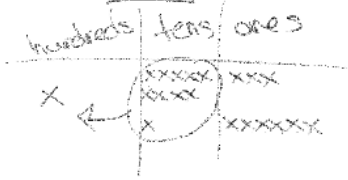
(13) $-63 + (-49)$

$-63 - 49 = -112$



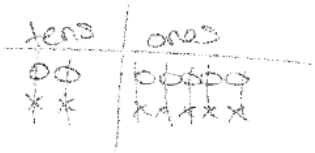
(14) $-93 + (-16)$

$-93 - 16 = -109$



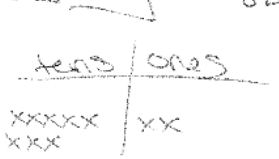
(15) $25 + (-25)$

$25 - 25 = 0$



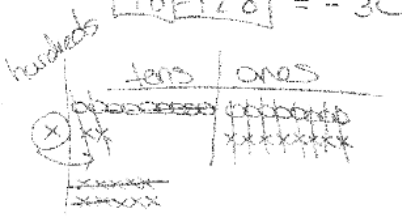
(16) $0 + (-82)$

$0 - 82 = -82$



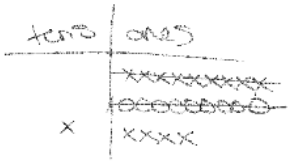
(17) $98 + (-128)$

$98 - 128 = -30$



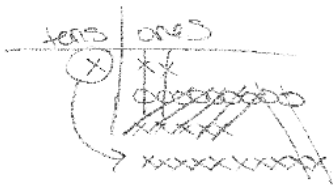
(18) $-9 + 9 + (-14)$

$-9 + 9 - 14 = -14$



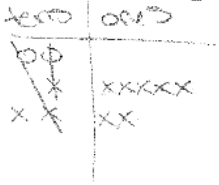
(19) $-12 + 9 + (-5)$

$-12 + 9 - 5 = -8$



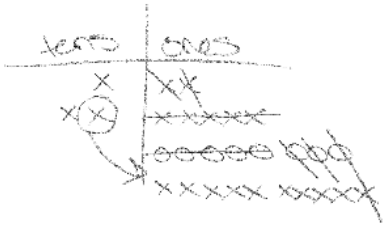
(20) $20 + (-35) + (-22)$

$20 - 35 - 22 = -17$



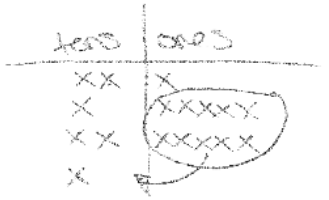
(21) $-12 + (-25) + 8$

$-12 - 25 + 8 = -29$

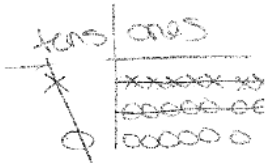


(22) $-21 + (-15) + (-25)$

$-21 - 15 - 25 = -61$



(23) $-17 + 8 + 16 = 7$



Pg. 70 # 3-18

(3) $5 - 12 = -7$

(4) $6 - (+16)$

$6 + 16 = 22$

(5) $-11 - (+7)$

$-11 + 7 = -4$

(6) $-13 - 12 = -25$

(7) $-14 - (+14)$

$-14 + 14 = 0$

(8) $11 - (+6)$

$11 + 6 = 17$

(9) $9 - 17 = -8$

(10) $-18 - (+12)$

$-18 + 12 = -6$

(11) $-20 - 7 = -27$

(12) $32 - 40 = -8$

(13) $28 - (+16)$

$28 + 16 = 44$

(14) $-39 - (+13)$

$-39 + 13 = -26$

(15) $-5 - (+5) - (+5)$

$-5 + 5 + 5 = 5$

(16) $8 - 2 - 6 - 10 = -10$

(17) $-52 - (+18) - 37$

$-52 + 18 - 37 = -71$

(18) $-12 - 5 = -7$ ✗

$-12 - 5 = -17$

When the signs are the same (using isolation) addition is completed. This student subtracted by mistake.

Do the problems 5 divided by zero and zero divided by five make the same answer?

$0\overline{)5}$ undefined

$5\overline{)0}$ 0

(Zero vs. undefined)

$5 \div 0$

$\frac{5}{0}$

$0 \div 5$

$\frac{0}{5}$

$4\overline{)12}$

$12 \div 4$

$\frac{12}{4}$

$4\overline{)12}$

~~$4 \div 12$~~

~~$\frac{4}{12}$~~

Division 3 ways

$7\overline{)28}$ $28 \div 7$ $\frac{28}{7}$

$3\overline{)5}$ $5 \div 3$ $\frac{5}{3}$

Name _____ Date ____

Translating Division Period ___

Match the left and right column division statements to their equivalent division statement in the middle column.

$\frac{1}{5}$	■	■	$3\overline{)4}$	■	■ $\frac{3}{4}$
$0\overline{)7}$	■	■	$7\overline{)0}$	■	■ $4 \div 3$
$3 \div 4$	■	■	$1 \div 5$	■	■ $7 \div 0$
$\frac{4}{3}$	■	■	$5 \div 1$	■	■ $5\overline{)1}$
$0 \div 7$	■	■	$\frac{7}{0}$	■	■ $\frac{5}{1}$
$1\overline{)5}$	■	■	$4\overline{)3}$	■	■ $\frac{0}{7}$

Write each expression as a fraction.

$13 \div 5$ ____ $7 \div 9$ ____ $2 \div 3$ ____

$8\overline{)11}$ ____ $10\overline{)21}$ ____ $6\overline{)5}$ ____

State if the answer is zero or undefined.

$\frac{8}{0}$ _____ $\frac{0}{5}$ _____ $\frac{3}{0}$ _____ $\frac{0}{12}$ _____

$11\overline{)0}$ _____ $0\overline{)25}$ _____

$0\overline{)45}$ _____ $18\overline{)0}$ _____