

Chapter 1 Review

Test is TUESDAY 9/17

* Make a 3x5 notecard

1.1 Absolute Value

1.1 ALWAYS POSITIVE

$$|-4| = 4 \quad |7| = 7$$

1.2 ADDING INTEGERS

SAME SIGN

$-$ $+$ $-$ } -ADD the integers
 $+$ $+$ $+$ } -KEEP the same sign.

$$-6 + (-7) = -13 \quad 4 + 5 = 9$$

DIFFERENT SIGNS

$+$ $+$ $-$ } -SUBTRACT the integers.
 $-$ $+$ $+$ } -Answer takes the sign
of the integer farthest
from 0 zero.

1.3 SUBTRACTING integers

$- - (-)$
 $- - +$
 $+ - (-)$
 $+ - +$ } ADD the
OPPOSITE!

- Keep the 1st integer the same.
- Make subtraction into Addition
- Change the 2nd integer to its OPPOSITE.

• Follow Adding Integer Rules!

$$\begin{array}{l} -10 - 5 \\ -10 + (-5) = -15 \end{array} \quad \begin{array}{l} 1 - (-2) \\ 1 + 2 = 3 \end{array} \quad \begin{array}{l} -4 - (-3) \\ -4 + 3 = -1 \end{array}$$

1.4 & 1.5 Multiplying & Dividing Integers

SAME SIGN

$+ \cdot +$ | $+ \div +$ | $\frac{+}{+} = +$ } The answer
 $- \cdot -$ | $- \div -$ | $\frac{-}{-} = +$ } is POSITIVE!

DIFFERENT SIGNS

$- \cdot +$ | $- \div +$ | $\frac{-}{+} = -$ } The answer
 $+ \cdot -$ | $+ \div -$ | $\frac{+}{-} = -$ } is Negative.

Zero divided by a number = 0
 $0 \div 5 = 0$ $\frac{0}{7} = 0$

A number divided by 0 is UNDEFINED
 $3 \div 0 = \text{undefined}$ $\frac{3}{0} = \text{undefined}$