MathFLIX CHALLENGE

Integer Computation-Rules (Algorithms)

Read the flow chart on the right. Add your own examples to show you understand the idea. Now use the flow chart to help solve the problems below.

Addition

Subtraction

Multiplication or Division

ADDITION

Same signs

Action : add Sign : given sign

Examples:

Your examples :

Different signs

Action : subtract Sign : use sign from highest number

Examples:

$$^{+}5 + ^{-}6 = ^{-}1$$
 $^{-}5 + ^{+}6 = ^{+}1$

Your examples :

SUBTRACTION

Action: Rewrite problem as addition of the opposite.

Examples:

Your examples :

MULTIPLICATION OR DIVISION

Same signs

Action: multiply or divide Sign: positive (+)

Examples :

$$^{+}4 \times ^{+}2 = ^{+}8$$
 $^{-}4 \times ^{-}2 = ^{+}8$
 $^{+}8 \div ^{+}4 = ^{+}2$
 $^{-}8 \div ^{-}4 = ^{+}2$

Your examples :

Different signs

Action: multiply or divide Sign: negative (-)

Examples :

$$^{+}4 \times ^{-}2 = ^{-}8$$
 $^{-}4 \times ^{+}2 = ^{-}8$
 $^{+}8 \div ^{-}4 = ^{-}2$
 $^{-}8 \div ^{+}4 = ^{-}2$

Your examples :