Integer Operations

Adding Signed Numbers			Multiplying Signed Numbers
Same sign: add the absolute value of the numbers. Keep the sign. **Different signs:** subtract the absolute value of the numbers. Use the sign of the number with the greater absolute value.	$-3 + (-1) =$ $-4 + (-5) =$ $6 + (-10) =$ $-16 + (+5) =$ $-4 + (-2) + (+6) =$	$-3 \times (-1) =$ $-4 \times (2) =$ $7 \bullet (-3) =$ $-2 \bullet (+4) =$ $-4(-2) + 3(-2) =$	$(+) \bullet (+) = +$ $(-) \bullet (-) = +$ $(+) \bullet (-) = -$ $(-) \bullet (+) = -$
Subtracting Signed Numbers To subtract signed numbers, add the opposite. - Keep the first number - Change the subtraction sign to addition - Change the sign of the second number - Follow rules for adding signed numbers	$-5 - (-4) =$ $-1 - (-35) =$ $10 - (-8) =$ $-20 - (+19) =$	$-30 \div (-6) =$ $44 \div 4 =$ $6 \div (-12) =$ $-12 \div (+6) =$	**Dividing Signed Numbers** $(+) \div (+) = +$ $(-) \div (-) = +$ $(+) \div (-) = -$ $(-) \div (+) = -$

glue this part down

Multiply
×

Add
+

glue this part down

Divide
÷

Subtract
−

Integer Operations

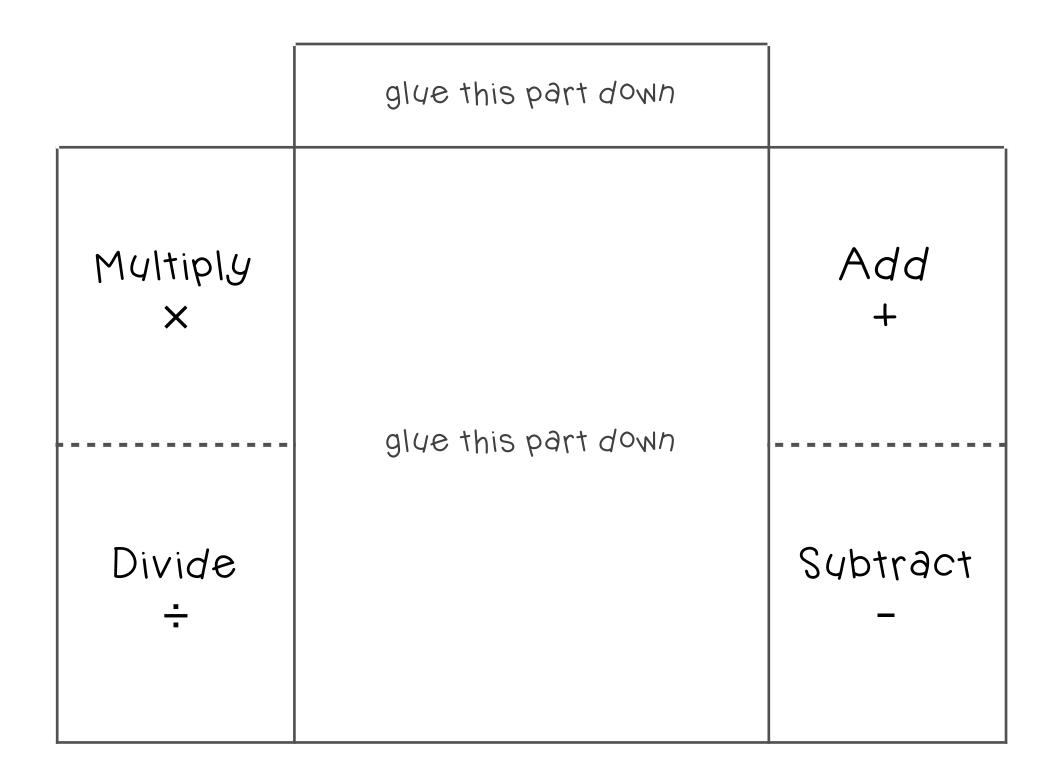| Adding Signed Numbers			Multiplying Signed Numbers
Adding Signed Numbers Same sign: add the absolute value of the numbers. Keep the sign. Different signs: subtract the absolute value of the numbers. Use the sign of the number with the greater absolute value.	$-3 + (-1) =$ -4 $-4 + (-5) =$ -9 $6 + (-10) =$ -4 $-16 + (+5) =$ -11 $-4 + (-2) + (+6) =$ 0	$-3 \times (-1) =$ 3 $-4 \times (2) =$ -8 $7 \bullet (-3) =$ -21 $-2 \bullet (+4) =$ -8 $-4(-2) + 3(-2) =$ 2	***Multiplying Signed Numbers*** $(+) \bullet (+) = +$ $(-) \bullet (-) = +$ $(+) \bullet (-) = -$ $(-) \bullet (+) = -$
Subtracting Signed Numbers To subtract signed numbers, add the opposite. - Keep the first number - Change the subtraction sign to addition - Change the sign of the second number - Follow rules for adding signed numbers	$-5 - (-4) =$ -1 $-1 - (-35) =$ 34 $10 - (-8) =$ 18 $-20 - (+19) =$ -39	$-30 \div (-6) =$ 5 $44 \div 4 =$ 11 $6 \div (-12) =$ -1/2 $-12 \div (+6) =$ -2	***Dividing Signed Numbers*** $(+) \div (+) = +$ $(-) \div (-) = +$ $(+) \div (-) = -$ $(-) \div (+) = -$