

Operations on Integers

Multiplying and Dividing

Same	{	+ +	→	positive
		- -	→	positive
Different	{	+ -	→	negative
		- +	→	negative

Example 1

a) $8 \times 3 = 24$

b) $-5 \times -7 = 35$

c) $-8 \times 7 = -56$

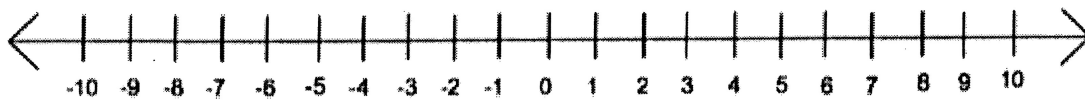
d) $(9)(-6) = -54$

e) $-12 \div 3 = -4$

f) $\frac{35}{-7} = -5$

Adding and Subtracting

1. Combine any adjacent sign and operator.
2. Use/visualize the numberline to add/subtract.



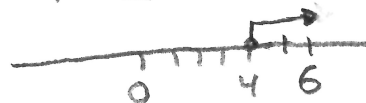
Example 2

a) $3 - 5$ go left 5 spaces

start at 3

$= -2$

b) $4 - (-2)$
 $= 4 + 2$



$= 6$

c) $-4 + (-2)$

d) $-1 - (-4)$

$= -4 - 2$

$= -1 + 4$



$= -6$



$= 3$