

RULES FOR INTEGERS

Addition

pos	+	pos	=	pos
8	+	2	=	10

neg	+	neg	=	neg
-8	+	(-2)	=	-10

POS	+	neg	=	pos
8	+	(-2)	=	6

NEG	+	pos	=	neg
-8	+	2	=	-6

Subtraction

pos	-	neg		
8	-	(-2)		
8	+	2	=	10

neg	-	pos		
-8	-	2		
-8	+	(-2)	=	-10

pos	-	pos		
8	-	2		
8	+	(-2)	=	6

neg	-	neg		
-8	-	(-2)		
-8	+	2	=	-6

Add the Opposite

Change the subtraction sign to an addition sign.

Change the sign of the second number.

Follow the addition rules.

Multiplication and Division

pos	and	pos	=	pos
8	x	2	=	16
8	/	2	=	4

pos	and	neg	=	neg
8	x	(-2)	=	-16
8	/	(-2)	=	-4

neg	and	neg	=	pos
-8	x	(-2)	=	16
-8	/	(-2)	=	4

neg	and	pos	=	neg
-8	x	2	=	-16
-8	/	2	=	-4