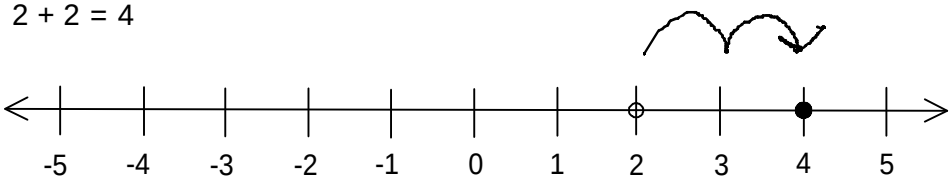
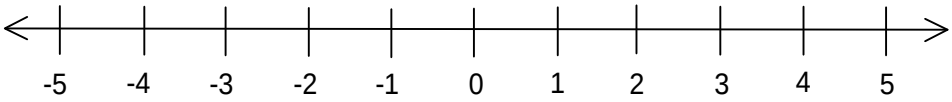
M8 - 8.2 - Add/Subtract +/- Integers # Line WS

Add and subtract the following integers using the number line.

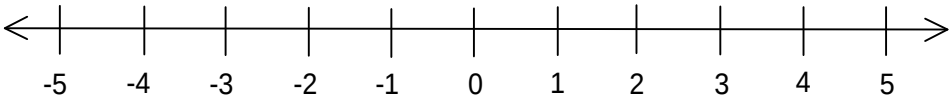
2 + 2 = 4



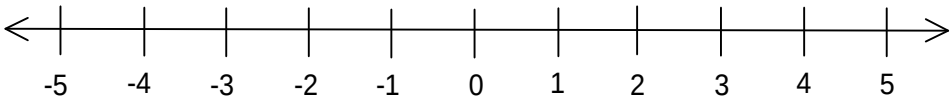
5 – 4 =



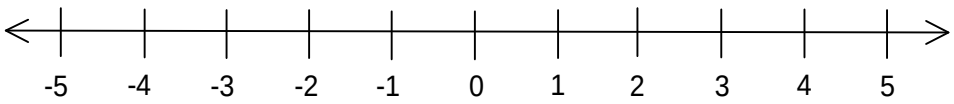
2 – 5 =



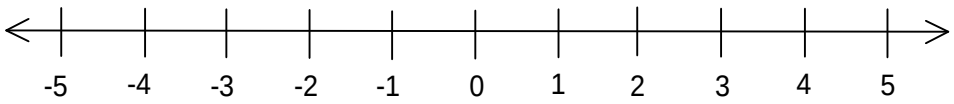
4 – 8 =



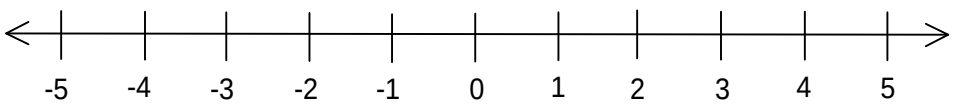
–2 – 1 =



(–1) + (–3) =

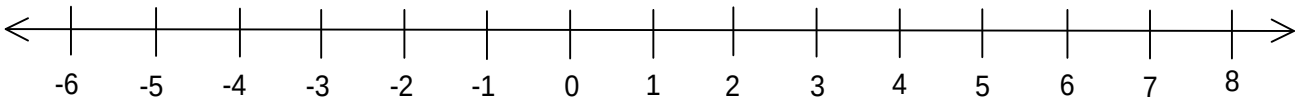


2 – (–3) =



M8 - 8.2 - Add/Subtract +/- Integers WS

Add and subtract the following integers using the number line.



3 + 5 =	5 – 2 =	2 + 2 =	3 – 1 =
4 – 8 =	5 – 7 =	9 – 9 =	1 – 3 =
5 + (–2) =	4 + (–4) =	3 + (–6) =	(–2) + 4 =
5 + (2) =	4 + (+4) =	3 – (6) =	(–2) + (–4) =
3 – (–2) =	(–1) – (–4) =	2 – (–6) =	(–2) – 4 =
(–4) – (+2) =	6 + (–4) =	3 + (–6) =	(–2) + 4 =
2 + 6 =	4 + 2 + 1 =	8 – 2 =	7 – 1 – 1 =
5 – 2 + 1 =	5 – 4 + 4 =	6 – 6 – 5 =	1 + 2 + 3 =
8 – 10 =	5 + (–10) =	5 + (–4) – (–1) =	(–3) – (2) + 3 =
5 – (–2) + 4 =	6 + 2 – (–1) =	(5) – (–1) + 3 =	6 – 4 + 2 =
7 + 8 =	15 – 7 =	16 – 11 =	5 + 11 =
5 – (–11) =	12 – 8 + (–4) =	14 – 4 – 10 =	(–3) – (–16) – (4) =

M8 - 8.3 - Multiply/Divide + / - Integers WS

Multiply or divide the following.

$3 \times 2 =$	$4 \times 2 =$	$2 \times 2 =$	$3 \div 1 =$
$4 \times 4 =$	$5 \times 3 =$	$9 \div 9 =$	$1 \times 3 =$
$5 \times (-2) =$	$4 \times (-4) =$	$3 \times (-6) =$	$(-2) \times 4 =$
$5 \times (2) =$	$4 \times (+4) =$	$3 \times (6) =$	$(-2) \times (-4) =$
$3 \times (-2) =$	$(-1) \times (-4) =$	$6 \div (-3) =$	$(-8) \times 4 =$
$(-4) \div (+2) =$	$6 \times (-4) =$	$3 \times (-6) =$	$(-2) \times 4 =$
$2 \times 0 =$	$0 \times 2 \times 3 =$	$12 \div 0 =$	$0 \div 4 =$
$4 \div (-2) =$	$(-6) \div (2) =$	$(-21) \div (-3) =$	$(-24) \div 8 =$
$5 \div (-5) =$	$(-16) \div (-8) =$	$(-9) \div (+3) =$	$(+45) \div (-9) =$
$(-90) \div 15 =$	$(-32) \div (-8) =$	$(-6) \div (-6) =$	$(77) \div (-7) =$
$5 \times 2 \div 1 =$	$5 \times 4 \div 4 =$	$6 \div 6 \times 5 =$	$1 \times 2 \times 3 =$
$13 \times 10 =$	$13 \times (-10) =$	$5 \times (-4) \div (-1) =$	$(-3) \times (2) \times 3 =$
$5 \times (-2) \times 4 =$	$6 \div 2 \times (-1) =$	$(5) \times (-1) \times 3 =$	$6 \times 4 \div 2 =$
$5 \times (-5) =$	$2 \times 12 \div (6) =$	$14 \div 7 \times 10 =$	$(-3) \times (-10) \div (5) =$
$\frac{60}{-12} =$	$\frac{-36}{6} =$	$\frac{35}{5} =$	$\frac{9}{-1} =$
$\frac{75}{-5} =$	$-\frac{56}{7} =$	$-\frac{144}{-12} =$	$\frac{99}{-3} =$
$-\frac{24}{8} =$	$\frac{-24}{6} =$	$-\frac{(-4)}{(-2)} =$	$\frac{-81}{-(-9)} =$
$\frac{-4}{12} =$	$\frac{-5}{-45} =$	$\frac{50}{-10} =$	$-\left(\frac{-6}{-8}\right) =$
$-\left(\frac{27}{3}\right) =$	$\frac{(-6)}{18} =$		

M8 - 8.4 -Order of Operations Integers WS

Evaluate the following expressions:

a) $3 + 2 - 4 =$ b) $10 - 5 + 2 =$ c) $6 - 3 + 4 =$

d) $4 + 3 - 6 =$ e) $8 - 5 - 4 =$ f) $2 + 5 - 10 =$

Evaluate the following expressions:

a) $8 \div 2 - 6 =$ b) $3 + 3 \times 2 =$ c) $6 \div 3 + 5 =$

d) $9 \div 3 + 5 =$ e) $5 - 3 \times 2 =$ f) $7 \times 2 + 6 =$

g) $(3 + 2) \times 2 =$ h) $(7 - 3) \div 2 =$ i) $(8 - 2) \times (9 - 5) =$

Evaluate:

a) $10 \div (7 - 2) =$ b) $18 \div (-3 + 6) =$ c) $(3 + 5) \times 6 =$

d) $(-7 \times 2) + 10 \times 2 =$ e) $(4 + 1) \div 5 \times 2 =$ f) $(7 - 4)^2 \times 2 =$

g) $5^2 - 4^3 =$ h) $= 3^3 - 2^4 =$ i) $(5 + 3)^2 =$

M8 - 8.4 - Order of Operations Integers WS

Evaluate the following expressions:

a) $2^2 - 3 =$

b) $2^3 \times 5^2 =$

c) $7^2 - 18 \div 2 =$

d) $2 \times 4^2 + 3^2 =$

e) $8^0 \times 5 - 3^2 =$

f) $(9 - 2) + 6 =$

g) $(4 - 5) \times 10^2 =$

h) $64 \div (12 - 4) =$

i) $(4 + 2)^2 \div 4 =$

j) $2(5 - 3)^2 =$

k) $\dfrac{3 \times 8 - 5 + 3}{11} =$

l) $\dfrac{5 \times 2 - 5 + 4}{3} =$

Evaluate the following expressions:

a) $-3^2\big(4 + (-6)\big) =$

b) $(-2)^2\big(6 - (-4)\big) =$

c) $-4^2 + (4 + (-1)^2)^2 =$

d) $\dfrac{-14 + (-2)^2}{6 - (-4)} =$

e) $\dfrac{2^3\big((-3)^2 - (-1)^3\big)}{4 - (-6)} =$

a) $\dfrac{2^2 + (-2)^2}{14 - 3 \times 4} =$

M8 - 8.5 - Insert Brackets to Make True WS

Insert brackets into the equation to make the statement true.

$8 - 3 + 2 = 3$

$3 \times 4 - 2 = 6$

$4 \times 3 + 2 \times 2 = 40$

$18 \div 3 + 1 = 6$

$1 + 9 \div 5 = 2$

$1 - 5 \div 2 - 1 \times 5 = -7$

$\frac{2 + 4}{2 + 1} - 1 = 1$

$1 + 2 \div 3 \times 5 + 1 = 6$

$1 - 20 + 5 \div 5 \times 2 = -9$

$3 - 5 \times 3 \div 3 \times 2 = -2$

$12 \div 3 \times 4 = 4 - 1 \div 3$

$3 - 1 \times 5 - 2 = 3 \times 8 - 3 \times 2$

$2 \times 5 - 6 + 2 - 3 \times 4 = 8$