

DAY 2 - Add & Subtract Integers – small numbers Gr. 7-8

1. To use the number line you should remember that positives are on the right side and negatives are on the left side.
2. The sign is always attached to the number. Move terms around to show this:
 $-5 + 7 = 7 - 5 = 2$
 $-10 - 6 + 20 = 20 - 10 - 6 = 4$
3. When there are two signs acting on same number simplify the signs first:
 $-5 + (-2) = -5 - 2 = -7$
 $-3 - (-6) = -3 + 6 = 3$
 $-7 - (+3) = -7 - 3 = -10$

a) $-9 + 7 = -2$

b) $-7 - 8 = -7 + 8 = 1$

c) $0 + 2 = 2$

d) $-6 - 8 = -6 + 8 = 2$

e) $-1 - 8 = -1 + 8 = 7$

f) $-8 + 2 = -6$

g) $-2 + 8 = -2 - 8 = -10$

h) $-1 + 8 = 7$

i) $-5 + 5 = -5 - 5 = -10$

j) $-1 + 7 = 6$

k) $-9 + 5 = -4$

l) $-6 - 7 = -6 + 7 = 1$

m) $-10 - 10 = -10 + 10 = 0$

n) $-5 + 1 = -4$

o) $-2 + 5 = 3$

p) $-1 - 6 = -1 + 6 = 5$

q) $-9 - 10 = -9 + 10 = 1$

r) $-1 + 7 = -1 - 7 = -8$

s) $-5 + 1 = -5 - 1 = -6$

t) $2 + 9 = -2 - 9 = -11$

Now with bigger numbers

a) $-28 + 27 = -1$

b) $-22 - 29 = -51$

c) $-17 + 18 = 1$

d) $-12 + 2 = -10$

e) $-16 + 12 = -4$

f) $-13 + 10 = -3$

g) $-12 + 13 = 1$

h) $-27 - 28 = -55$

i) $-15 + 0 = -15$

j) $-24 - 29 = -53$

k) $-14 + 15 = 1$

l) $-15 + 16 = 1$

m) $-14 + 10 = -4$

n) $-28 + 9 = -19$

o) $-16 + 9 = -7$

p) $-21 + 26 = 5$

q) $-22 + 1 = -21$

r) $-12 + 10 = -2$

s) $-24 + 22 = -2$

t) $-21 - 30 = -51$

Find each sum.

1) $(-12) + 7 = -5$

3) $(-6) + 12 = 6$

5) $3 + 4 = 7$

7) $(-1) + (-46) = -47$

9) $(-34) + 50 = 16$

2) $(-10) + (-7) = -17$

4) $8 + 7 = 15$

6) $(-45) + 9 = -36$

8) $(-30) + 10 = -20$

10) $38 + (-5) = 33$

Find each difference.

11) $2 - 2 = 4$

13) $8 - 7 = 1$

15) $11 - 4 = 7$

17) $18 - 41 = -23$

19) $(-1) - 3 = 2$

12) $(-1) - 10 = -11$

14) $(-8) - 6 = -2$

16) $48 - 31 = 17$

18) $(-38) - 30 = -68$

20) $(-1) - 40 = 39$

Evaluate each expression.

21) $(-10) - 47 = -57$

23) $13 + (-29) = -16$

25) $(-32) - 44 = -76$

27) $\frac{2 + 15}{17} + 4 = 21$

29) $\frac{2 - 9}{11} - 8 = 3$

22) $(-29) - 29 = -58$

24) $38 + 22 = 60$

26) $(-12) + (-11) = -23$

28) $\frac{16 + (-13)}{3} + 5 = 8$

30) $\frac{10 + 3}{17} - 8 = 25$