

Alg 1A
2.4 Subtracting integers

G e m A

Subtract integers
Use SMATO to add integers

integer
smato
difference

Getting Ready

Write each expression as an addition expression.

Sample: $4 - (-3)$

Solution: $4 + 3$

3. $10 - 3$

4. $-2 - (+5)$

5. $-4 - 8$

Find each difference. (Examples 1-6)

6. $8 - 2 = 6$

7. $-6 - (+4) = -10$

8. $-5 - 4 = -9$

9. $7 - (+4) = 3$

10. $8 - 11 = -3$

11. $-4 - (+9) = -13$

Evaluate each expression if $a = -2$, $b = 6$, $c = -3$, and $d = -1$.

(Examples 7 & 8)

12. $a - b$ $(-2) - (6) = -8$ 13. $b - c + d$ $(6) - (-3) + (-1) = 8$

14. **Population** In a recent year, 5899 people moved to Ohio from West Virginia, and 5394 people left Ohio for West Virginia. Find the net change in Ohio's population. (Example 9)

$$\begin{array}{r} WV \rightarrow 0 + 5899 \\ WV \leftarrow 0 - 5394 \\ \hline -505 \end{array}$$

Whiteboards

Integer Destroyer

Add

Subtract