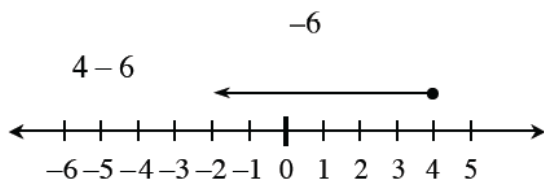


SUBTRACTION OF INTEGERS

Subtraction of integers may also be represented using the concrete models of number lines and (+) and (-) tiles. Subtraction is the opposite of addition so it makes sense to do the opposite actions of addition.

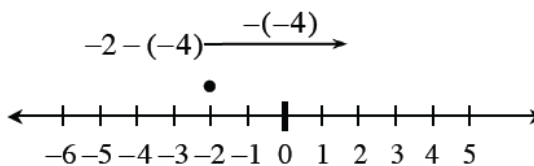
When using the number line, adding a positive integer moves to the right so subtracting a positive integer moves to the left. Adding a negative integer move to the left so subtracting a negative integer moves to the right.

Example 1



$$4 - 6 = -2$$

Example 2



$$-2 - (-4) = 2$$

Problems

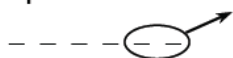
Find each difference.

- $-6 - (-2)$
- $2 - (-3)$
- $6 - (-3)$
- $3 - 7$
- $7 - (-3)$
- $7 - 3$
- $5 - (3)$
- $-12 - (-10)$
- $-12 - 10$
- $12 - (-10)$
- $-6 - (-3) - 5$
- $6 - (-3) - 5$
- $8 - (-8)$
- $-9 - 9$
- $-9 - 9 - (-9)$

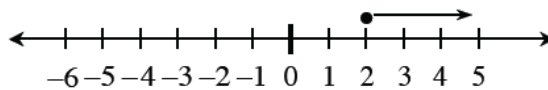
answers on next page...

Answers (and possible models)

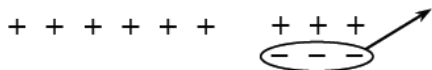
1. -4



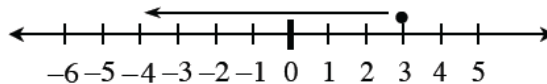
2. 5



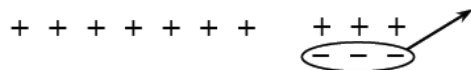
3. 9



4. -4



5. 10



6. 4

7. 2

8. -2

9. -22

10. 22

11. -8

12. 4

13. 16

14. -18

15. -9