

Lesson 3 Reteach

Subtract Integers

To subtract an integer, add its opposite.

Example 1

Find $6 - 9$.

$$\begin{aligned} 6 - 9 &= 6 + (-9) \\ &= -3 \end{aligned}$$

To subtract 9, add -9 .
Simplify.

Example 2

Find $-10 - (-12)$.

$$\begin{aligned} -10 - (-12) &= -10 + 12 \\ &= 2 \end{aligned}$$

To subtract -12 , add 12.
Simplify.

Example 3

Evaluate $a - b$ if $a = -3$ and $b = 7$.

$$\begin{aligned} a - b &= -3 - 7 \\ &= -3 + (-7) \\ &= -10 \end{aligned}$$

Replace a with -3 and b with 7.
To subtract 7, add -7 .
Simplify.

Exercises

Subtract.

1. $7 - 9$ **-2**

2. $20 - (-6)$ **26**

3. $-10 - 4$ **-14**

4. $0 - 12$ **-12**

5. $-7 - 8$ **-15**

6. $13 - 18$ **-5**

7. $-20 - (-5)$ **-15**

8. $-8 - (-6)$ **-2**

9. $25 - (-14)$ **39**

10. $-75 - 50$ **-125**

11. $15 - 65$ **-50**

12. $19 - (-10)$ **29**

Evaluate each expression if $m = -2$, $n = 10$, and $p = 5$.

13. $m - 6$ **-8**

14. $9 - n$ **-1**

17. $m - n$ **-12**

18. $-25 - p$ **-30**

Lesson 3 Skills Practice

Subtract Integers

Subtract.

1. $5 - 2$ **3**

2. $6 - (-7)$ **13**

3. $-3 - 2$ **-5**

4. $8 - 13$ **-5**

5. $-7 - (-7)$ **0**

6. $6 - 12$ **-6**

7. $15 - (-7)$ **22**

8. $-15 - 6$ **-21**

9. $-3 - 8$ **-11**

10. $-10 - 12$ **-22**

11. $13 - (-12)$ **25**

12. $14 - (-22)$ **36**

13. $10 - (-20)$ **30**

14. $-16 - 14$ **-30**

15. $-25 - 25$ **-50**

16. $6 - (-31)$ **37**

17. $-18 - (-40)$ **22**

18. $15 - (-61)$ **76**

Evaluate each expression if $r = -4$, $s = 10$, and $t = -7$.

19. $r - 7$ **-11**

20. $t - s$ **-17**

23. $s - t$ **17**

24. $r - s$ **-14**