

2-4 Study Guide and Intervention***Multiplying Integers*****Multiplying Integers
with Different Signs**

The product of two integers with different signs is negative.

Example 1 Find each product.

a. $4(-3)$

$4(-3) = -12$

b. $-8(5)$

$-8(5) = -40$

**Multiplying Integers
with the Same Sign**

The product of two integers with the same sign is positive.

Example 2 Find each product.

a. $6(6)$

$6(6) = 36$

b. $-7(-4)$

$-7(-4) = 28$

Example 3 Find $6(-3)(-2)$.

$6(-3)(-2) = [6(-3)](-2)$ Use the Associative Property.

$= -18(-2)$ $6(-3) = -18$

$= 36$ $-18(-2) = 36$

Exercises

Find each product.

1. $-5(7)$

2. $6(-9)$

3. $-10 \cdot 4$

4. $-12 \cdot -2$

5. $5(-11)$

6. $-15(-4)$

7. $-14(2)$

8. $6(14)$

9. $-18 \cdot 2$

10. $-9(10)$

11. $12(-6)$

12. $-11(-11)$

13. $-4(-4)(5)$

14. $6(-7)(2)$

15. $-10(-4)(-6)$

16. $-7(-3)(2)$

17. $-9(4)(2)$

18. $6(-4)(-12)$

19. $11(3)(-2)$

20. $-5(-6)(7)$

21. $-3(-4)(-8)$

22. $22(3)(-3)$

23. $-8(10)(-2)$

24. $-6(5)(-9)$