

# 1.29

## Order of Operations: Problem Type 1

### • Example 1

- (a)  $3 \times 4 + 5 = 12 + 5 = 17$
- (b)  $5 + 3 \times 6 = 5 + 18 = 23$
- (c)  $16 - 8 \div 2 = 16 - 4 = 12$
- (d)  $7 \times 8 - 20 = 56 - 20 = 36$
- (e)  $5 \times 6 + 4 \times 3 = 30 + 12 = 42$

When no parentheses are present, you should multiply or divide *first*, then add or subtract.

### ● ● ● CHECK YOURSELF 1

Evaluate.

a.  $8 + 3 \times 5$

b.  $15 \div 5 - 3$

c.  $4 \times 3 + 2 \times 6$

---

### ● ● ● CHECK YOURSELF ANSWERS

1. (a)  $8 + 3 \times 5 = 8 + 15 = 23$ ; (b)  $15 \div 5 - 3 = 3 - 3 = 0$ ;  
(c)  $4 \times 3 + 2 \times 6 = 12 + 12 = 24$ .
-

# 1.29 Exercises

Name \_\_\_\_\_

Section \_\_\_\_\_

Date \_\_\_\_\_

## A N S W E R S

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_
21. \_\_\_\_\_
22. \_\_\_\_\_
23. \_\_\_\_\_
24. \_\_\_\_\_
25. \_\_\_\_\_
26. \_\_\_\_\_

Evaluate.

- |                               |                                |
|-------------------------------|--------------------------------|
| 1. $4 \times 5 + 7$           | 2. $5 \times 2 + 6$            |
| 3. $3 + 6 \div 2$             | 4. $7 - 3 \times 2$            |
| 5. $8 \times 5 - 20$          | 6. $7 + 4 \times 8$            |
| 7. $48 - 8 \times 5$          | 8. $3 \times 5 + 8$            |
| 9. $9 + 6 \times 8$           | 10. $8 \times 6 - 48$          |
| 11. $20 \div 2 - 5$           | 12. $8 \times 7 + 2$           |
| 13. $4 \times 5 + 7 \times 3$ | 14. $8 \times 5 - 7 \times 4$  |
| 15. $9 \times 8 - 12 \div 6$  | 16. $4 \times 5 + 2 \times 10$ |
| 17. $5 \times 3 + 5 \times 4$ | 18. $7 \times 6 + 7 \times 8$  |
| 19. $4 \times 6 + 5$          | 20. $7 + 3 \times 2$           |
| 21. $6 + 8 \times 3$          | 22. $36 - 6 \div 3$            |
| 23. $5 \times 4 - 2$          | 24. $6 \times 5 - 2$           |
| 25. $3 \times 2 + 4 \times 5$ | 26. $8 \times 3 - 4 \times 6$  |