

1.27

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) $4 \times 3 + 2 \times 6 = 12 + 12 = 24$.

1.27 Exercises

Name _____

Section _____

Date _____

A N S W E R S

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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. $8 \times 3 - 4 \times 6$ |