

Practice 1-2 The Order of Operations

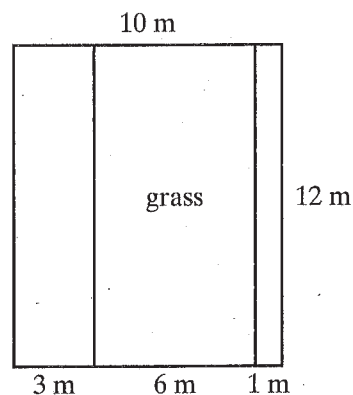
Simplify each expression.

- | | |
|--|----------------------------------|
| 1. $3 + 15 - 5 \cdot 2$ _____ | 2. $5 \cdot 6 + 2 \cdot 4$ _____ |
| 3. $48 \div 8 - 1$ _____ | 4. $68 - 12 \div 2 \div 3$ _____ |
| 5. $6(2 + 7)$ _____ | 6. $25 - (6 \cdot 4)$ _____ |
| 7. $3[9 - (6 - 3)] - 10$ _____ | 8. $60 \div (3 + 12)$ _____ |
| 9. $4 - 2 + 6 \cdot 2$ _____ | 10. $18 \div (5 - 2)$ _____ |
| 11. $\frac{16 + 24}{30 - 22}$ _____ | 12. $2[4(9 - 7) + 1]$ _____ |
| 13. $(8 \div 8 + 2 + 11) \div 2$ _____ | 14. $9 + 3 \cdot 4$ _____ |
| 15. $18 \div 3 \cdot 5 - 4$ _____ | 16. $10 + 28 \div 14 - 5$ _____ |

Insert grouping symbols to make each number sentence true.

- | | |
|---------------------------------|------------------------------|
| 17. $3 + 5 \cdot 8 = 64$ | 18. $4 \cdot 6 - 2 + 7 = 23$ |
| 19. $10 \div 3 + 2 \cdot 4 = 8$ | 20. $3 + 6 \cdot 2 = 18$ |

A city park has two walkways with a grassy area in the center, as shown in the diagram.



21. Write an expression for the area of the sidewalks, using subtraction.

22. Write an expression for the area of the sidewalks, using addition.

Compare. Use $>$, $<$, or $=$ to complete statement.

- | | |
|--|--|
| 23. $(24 - 8) \div 4$ <input type="checkbox"/> $24 - 8 \div 4$ | 24. $3 \cdot (4 - 2) \cdot 5$ <input type="checkbox"/> $3 \cdot 4 - 2 \cdot 5$ |
| 25. $(22 + 8) \div 2$ <input type="checkbox"/> $22 + 8 \div 2$ | 26. $20 \div 2 + 8 \cdot 2$ <input type="checkbox"/> $20 \div (2 + 8) \cdot 2$ |
| 27. $11 \cdot 4 - 2$ <input type="checkbox"/> $11 \cdot (4 - 2)$ | 28. $(7 \cdot 3) - (4 \cdot 2)$ <input type="checkbox"/> $7 \cdot 3 - 4 \cdot 2$ |