

STUDY LINK
9•4**Simplifying Expressions**

Simplify each expression by removing parentheses and combining like terms.
Check by substituting the given values for the variables. Show your work.



1. $7(7 + 5f) + (f + 6)10$ _____

Check: Substitute $-\frac{1}{5}$ for f .

2. $3(4 + 5m) - 12 + (-3m)$ _____

Check: Substitute $\frac{1}{3}$ for m .

3. $(12 - 3 + 5k)6 + 4k - 2(k + 5)$ _____

Check: Substitute 0.5 for k .

4. $5(y - b) + 3b - 6y + 4(6 + b)$ _____

Check: Substitute 1 for y and $\frac{2}{3}$ for b .

Practice

Find each product or quotient.

5. $0.658 * 10^5$ _____

6. $234.8 \div 10^3$ _____

7. $5,163 * 10^{-4}$ _____

8. $7.96 \div 10^2$ _____