

8.3–8.4 Quiz



Solve the inequality. Graph the solution. (Section 8.3)

1. $x \div 4 > 12$

2. $\frac{n}{-6} \geq -2$

3. $-4y \geq 60$

4. $-2.3 \geq \frac{p}{5}$

Write the word sentence as an inequality. Then solve the inequality. (Section 8.3)

5. The quotient of a number and 6 is more than 9.

6. Five times a number is at most -10 .

Solve the inequality. Graph the solution. (Section 8.4)

7. $2m + 1 \geq 7$

8. $\frac{n}{6} - 8 \leq 2$

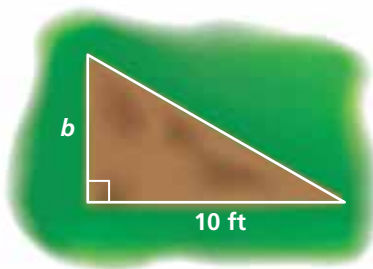
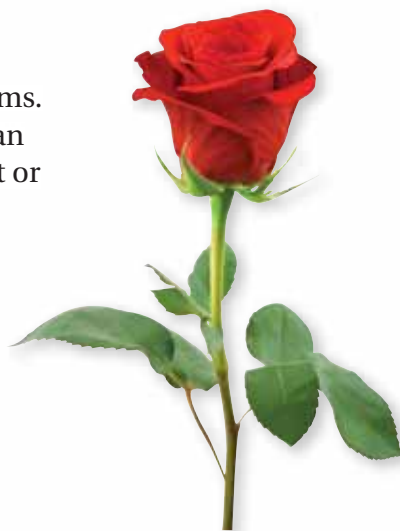
9. $2 - \frac{j}{5} > 7$

10. $\frac{5}{4} > -3w - \frac{7}{4}$

11. **FLOWERS** A soccer team needs to raise \$200 for new uniforms. The team earns \$0.50 for each flower sold. Write and solve an inequality to find the number of flowers it must sell to meet or exceed its fundraising goal. (Section 8.3)

12. **PARTY** You buy lunch for guests at a party. You can spend no more than \$100. You will spend \$20 on beverages and \$10 per guest on sandwiches. Write and solve an inequality to find the number of guests you can invite to the party. (Section 8.4)

13. **BOOKS** You have a gift card worth \$50. You want to buy several paperback books that cost \$6 each. Write and solve an inequality to find the number of books you can buy and still have at least \$20 on the gift card. (Section 8.4)



14. **GARDEN** The area of the triangular garden must be less than 35 square feet. Write and solve an inequality that represents the value of b . (Section 8.3)