

Answer Key

Challenge: Skills and Applications

1. $x < 3$
2. $a \leq 0$
3. $w < -36$
4. no solution
5. $y > 16.5$
6. all values of r
7. $7(n - 3) < 9(n - 5)$
8. more than 12 tapes
- 9–10. Check students' inequalities. Samples are given.
9. *Sample inequality:* $3x - 4 \geq -1\frac{1}{2} + 2x$
10. *Sample inequality:* $4x - 3 < 5(x + 2) - 8$