Did You Hear About . . .

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	??

Solve each inequality or problem. Write the word under the correct solution in the box containing the exercise number.

Answers 1-7

$x \geq 44$	OFTEN
$x \leq -2\frac{1}{2}$	AND
$x > 15$	HER
$x > 4\frac{1}{3}$	THE
$x < -7$	MONKEYS
$x > 13$	GUY
$x \geq 58$	MET
$x \geq 8$	WHEN
$x \leq -2$	GIRL
$x \geq 5$	IN
$x \leq -4\frac{2}{3}$	FRIENDS
$x < -4$	WHO

1 $7x + 2 > 4x + 15$

2 $10 - 3x \geq 5x + 26$

3 $9x + 40 \leq 15 - x$

4 $3(x - 7) > 18$

5 $75 < -5(4x + 1)$

6 $6(2x - 9) \geq 4 + 11x$

7 $8 - 3(4x - 1) \leq -49$

8 $2(t + 5) > 4t - 7(t + 3)$

9 $-4(3t - 9) \geq 8(-8 - t)$

10 $14 - (9t - 2) < -t + 30$

11 $45 > 12t + 3(t - 8) - 6$

12 $5(8 - 2t) \leq 2 + 16(4 + t)$

13 $7(5t - 4) - (2 + 15t) < 60$

14 $9(9t - 4) \geq 12(12t - 3)$

15 Suppose you write a book. The printer charges $4 per book to print it, and you spend $3500 on advertising. You sell the book for $15 a copy. How many copies must you sell so that your income from sales is greater than your total cost?

Answers 8-15

$t > -1\frac{3}{4}$	DOOR
$t < 8$	SPINNING
$t \leq 0$	AROUND
≥ 308	CIRCLES
$t \leq 25$	REVOLVING
$t \geq -1$	STARTED
$t \leq 3\frac{1}{3}$	IN
≥ 319	TOGETHER
$t < 5$	AND
$t > -6\frac{1}{5}$	A
$t < 4\frac{1}{2}$	GOING
$t \geq -3$	DIZZY