

3.7 Puzzle Time

Did You Hear About The...

A	The	B	baseball	C	game	D	between	E	the	F	collars
G	and	H	the	I	shirts	J	that	K	ended	L	the
M	a	N	tie								

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

$x \geq -3$ GAME
$x \leq \frac{2}{3}$ IN
$x \leq -6$ AND
$x \leq 16$ TIE
$x \geq 15$ THE
$x < -5$ CATCHER
$x < 3$ COLLARS
$x > 2.8$ THAT
$x \leq \frac{2}{5}$ SHIRTS

Solve the inequality.

- A. $x + 5 \geq 20$ $x \geq 15$
- B. $x - 4 > 6$ $x > 10$
- C. $6 \leq 9 + x$ $-3 \leq x$
- D. $3 + x \leq -2$ $x \leq -5$
- E. $-17 \leq x - 8$ $-9 \leq x$
- F. $x - 1 < 2$ $x < 3$
- G. $x - 10 \leq -16$ $x \leq -6$
- H. $x + \frac{1}{3} \geq 3$ $x \geq 2\frac{2}{3}$
- I. $\frac{3}{5} \geq x + \frac{1}{5}$ $\frac{2}{5} \geq x$
- J. $-4.4 < x - 7.2$ $2.8 < x$
- K. $\frac{11}{4} > x + \frac{9}{4}$ $\frac{1}{2} > x$
- L. $-\frac{5}{12} \geq x - \frac{13}{12}$ $\frac{2}{3} \geq x$
- M. $x + 0.4 < -0.8$ $x < -1.2$
- N. To play on the football team, a seventh grader must weigh no more than 110 pounds. Your neighbor is in seventh grade and weighs 94 pounds. Write and solve an inequality that represents how much weight your neighbor can gain and still meet the requirement.

$x + 94 \leq 110$
 $x \leq 16$

$x \geq 2\frac{2}{3}$ THE
$x > 10$ BASEBALL
$x < \frac{1}{2}$ ENDED
$x \geq 1.1$ WHICH
$x > 1$ MITT
$x \geq -9$ THE
$x \leq 2$ SOCKS
$x < -1.2$ A
$x \leq -5$ BETWEEN