

Algebra Bellwork - October 27, 2011

Write a complete sentence explaining what this sign means.

¿Qué significa la señal de tráfico?

ماذا تعني إشارات المرور؟



What percentage of people have an extra rib?





Drivers can go under or equal to 65mph, but they cannot go over.

You can't go more than 65 mph.

Your speed should be equal to or under 65 mph.

You cannot go faster than 65 mph.

Must go 65 mph.

You can go up to 65 mph.

65 mph is the limit.

You must go 65 mph or less.

The most you can go is 65 mph.

You must drive around 65 mph

~~Speed = 65?~~

Speed \leq 65
64
65

Objective: Today we will write, solve and graph **inequalities**

Language Objective: Today we will translate inequalities into spoken words.

$x < -10$ x is less than -10

$y \leq 5$ y is less than or equal to 5

$w \geq -9$ w is greater than or equal to -9

$z > -4$ z is greater than -4 .

- **at least** - means greater than or equal to
- **no more than** - means less than or equal to
- **more than** - means greater or bigger than
- **less than** - means fewer or smaller than

With a partner, write a sentence for each of these:

Example: We need **at least** 15 people to play rugby



$$p \leq 4$$

$$u \leq 30$$

- **at least** - means greater than or equal to
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$$-10 < -9$$

$$x < -9$$

Is -10 a solution to this inequality?

yes.

-12
-11

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8

Number Line

$$x < -10$$

$$y \leq 5$$

$$5 \geq y$$



Same



$$w \geq -9$$

$$z > -4$$