

2/28

Byron needs "at least"

minimum

≥ 20

floor ↑

floor "minimum" "at least"

20^+

\geq

May get a "maximum" of 3 pieces of candy

"no higher than"
"up to"

"at most"
"less than or equal"

ceiling ↓

Math Olympiad

≤ 25 pts

Sci. test

$\leq 100\%$

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Ch 8.5

p. 618

* To solve inequalities, treat them as "equalities" understanding that they are really inequalities.

* isolate variable

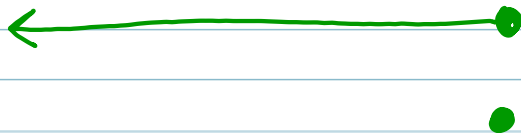
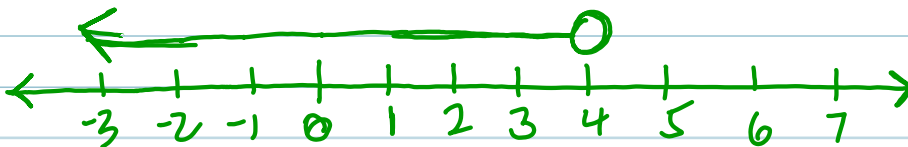
* do the same to both sides

$$\frac{2x}{2} \geq \frac{5}{2}$$

$x \geq 2.5$

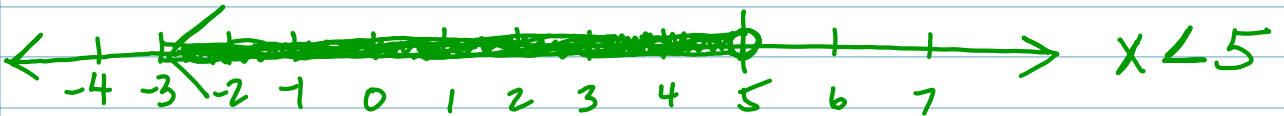
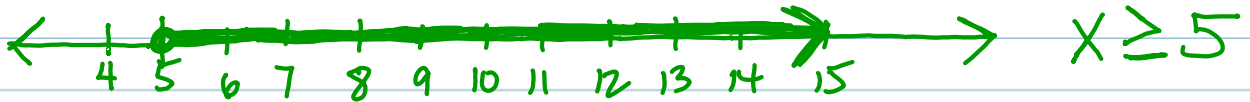
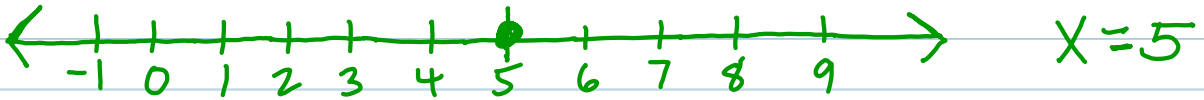
$$x \geq 2.5$$

$$\frac{4x}{4} < \frac{16}{4}$$
$$x < 4$$



$$\frac{4}{x}$$

$$4 \cdot x$$
$$4 \div x$$
$$\frac{4}{x}$$



p621

① $1 + f < 7$

$f < 6$

5, 6, 7
 \downarrow yes \downarrow no \downarrow no

② $g - 3 > 4$

$g > 7$

6 7 8
 \uparrow no \uparrow no \uparrow yes

③ $q - 2 > 16$
 $q > 18$

could q be 20
 yes no

HW #4-9