2/27

Lab p.615-616

How can a bar diagram help compare inequalities?

Pat caught 14in fish. Can he keep?

Rule: greater than or equal to 12 inches

(1st) equality (syn) equation

equation is a balanced set of terms + operations

$2+2=4$

inequality = not balanced (*same tilt*)

solving algebraically

fish $\geq$ 12 in

inequalities replace =

$> < \geq \leq$

maximum (upto) 3 pieces

candy ≤ 3

2/27

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candy ≤ 3

$<$ less than

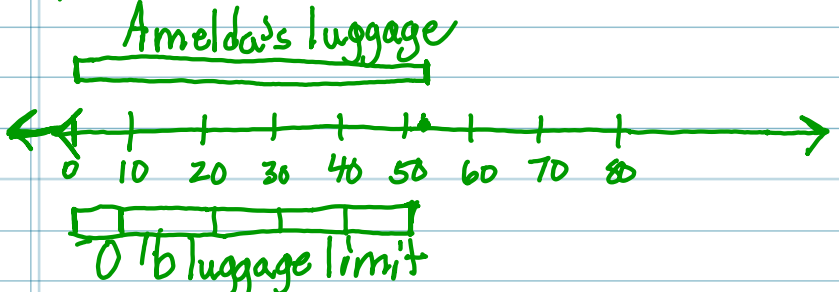
$\leq$ less than or equal to

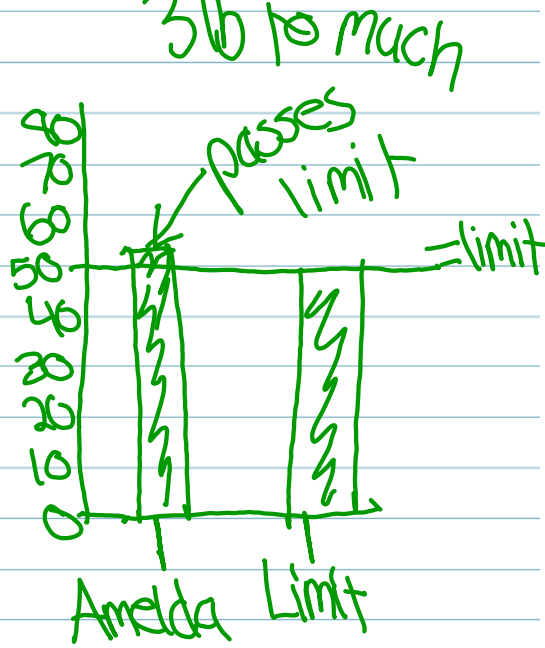
flounder = 12 in — equality equation

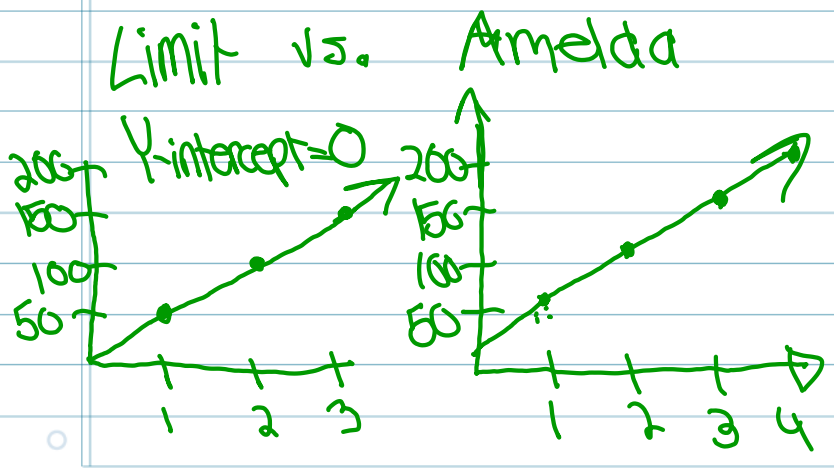
flounder $\geq$ 12 in — inequality

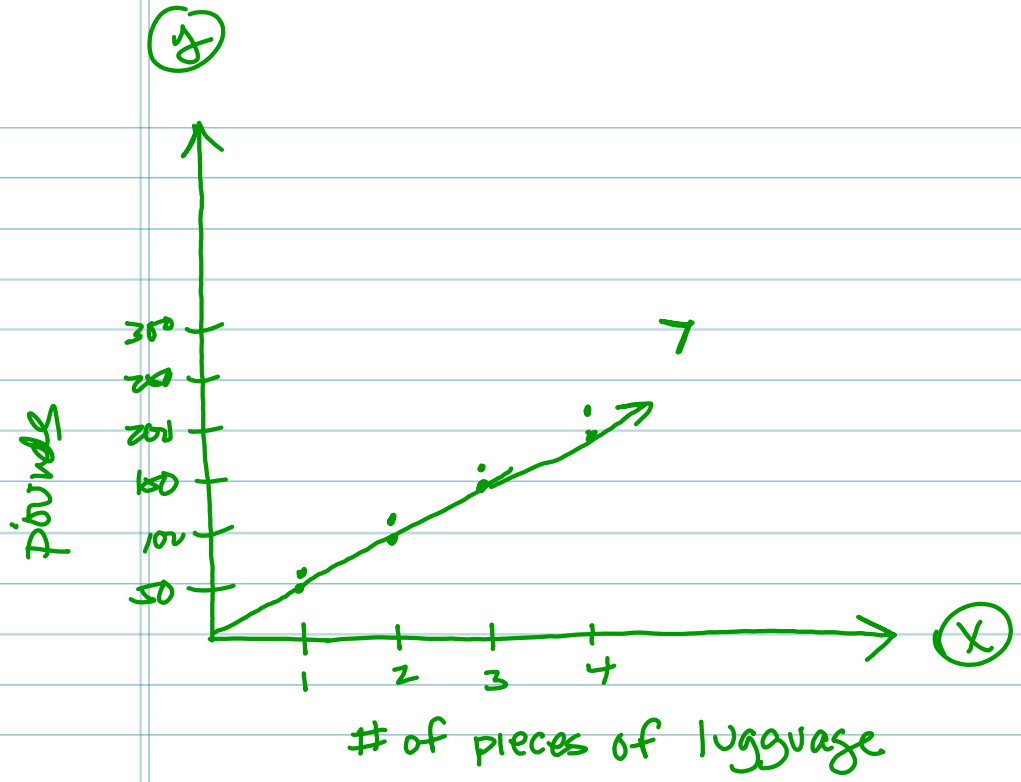
flounder $>$ 12 in — inequality

p616









x	y
1	50
2	100
3	150
4	200

$y = 50x$

x	y
1	53
2	106
3	159
4	212

$y = 53x$

luggage $\leq$ 50 lbs "no more than 50 lbs"

luggage $= 50$
luggage > 50
luggage ≥ 50
luggage < 50
luggage ≤ 50

① Mose hits at least 10 shots per game
Mose $\geq$ 10 shots per game
"minimum of 10 shots"

② At least 3 people ate waffles today
≥ 3

③ Made less than $100 profit on selling comics to Ben.
$< \$100$

$> \$5$ ≥ 8

≤ 4 < 4

Which inequality is used in situations involving a "minimum?"

$\geq$ "at least"

"floor" ↑ and up

Which inequality is used in situation involving a "maximum?"

$\leq$ "at the most"

"less than"

"ceiling" ↓ and down

football
$\leq$ 4 downs 10yds

baseball
$<$ 3 outs

math olympiad $\leq$ 2 incorrect for candy

HW → "up to 25 pts"
p 616 #2

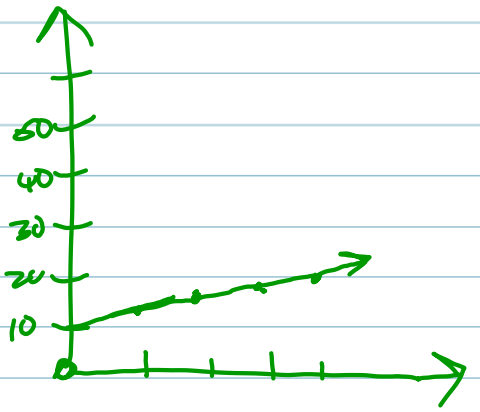
Showbie #1

(A) Create a scenario with you and a linear function with 2 operations.

(B)

X	Y
0	10
1	12
2	14
3	16
4	18

(C)



Mr P gets $2 per cookie plus he already had $10 to begin with.

$$y = 2x + 10$$