PSSA and Keystone Exams
Summer 2023 Workshops

PSSA, Grade 5 Math

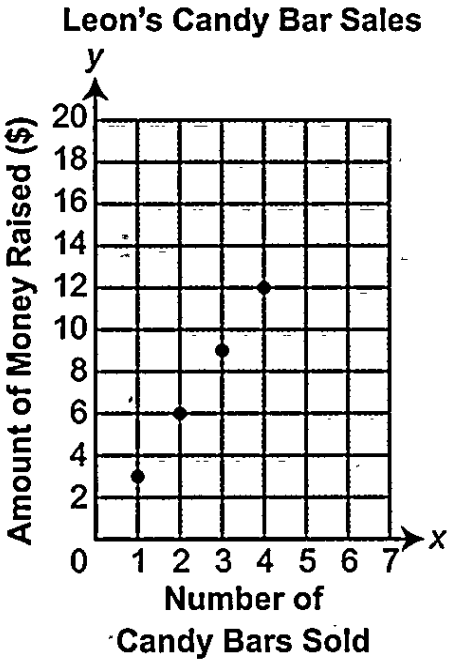
Leon's Candy Bar Sales

Handscoring

Practice Set 2*

*Responses in this set do not have true scores. Apply scores based on scoring criteria.

Leon is selling candy bars for a school fundraiser. He raises $3.00 for each candy bar he sells. The graph shown below represents the total amount of money, in dollars, Leon has raised based on the number of candy bars he has sold.



The pattern continues.

A. Which axis represents the number of candy bars sold?

The x-axis.

B. Write the ordered pair that represents the amount of money Leon raises for selling 6 candy bars.

(6, 18)

Continued. Please refer to the previous page for task explanation.

C. Explain why it is **not** possible for any of the points on the graph to have a *y*-coordinate of 77.

It is not possible for any point to have a y-coordinate of 77 because 77 is <u>not</u> a multiple of 3. They need to be a multiple of three because you are finding the amount of candy bars sold, c, times $3.00 a candy bar, or c x 3, and the y-axis represents the amount of money raised.

Last year, Leon raised a total of $240 from his candy bar sales. This year, his goal is to raise at least 2.5 times that amount.

D. What is the **fewest** candy bars Leon needs to sell to reach his goal for this year? <u>Show</u> or explain all your work.

$3 per candy bar

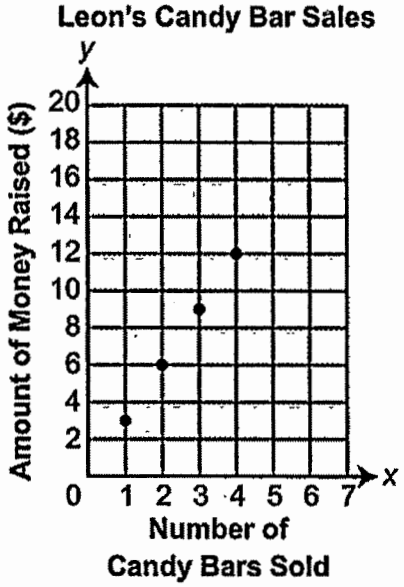
240
× 2.5
1200
+4800
6000.0
↑ total amount of money

amount of candy bars

200
3 | 600
−6
000

200 candy bars

Leon is selling candy bars for a school fundraiser. He raises $3.00 for each candy bar he sells. The graph shown below represents the total amount of money, in dollars, Leon has raised based on the number of candy bars he has sold.



The pattern continues.

A. Which axis represents the number of candy bars sold?

The x-axis.

B. Write the ordered pair that represents the amount of money Leon raises for selling 6 candy bars.

(18 , 6)

Continued. **Please refer to the previous page for task explanation.**

C. Explain why it is not possible for any of the points on the graph to have a *y*-coordinate of 77.

The y-coordinate cannot go that far.

Last year, Leon raised a total of $240 from his candy bar sales. This year, his goal is to raise at least 2.5 times that amount.

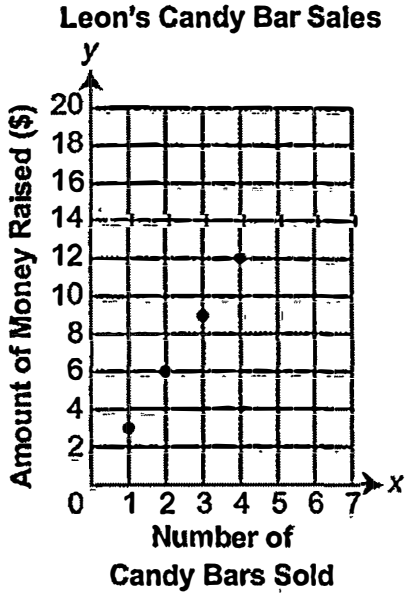
D. What is the fewest candy bars Leon needs to sell to reach his goal for this year? Show or explain all your work.

240 x 2.5 = 600

$600 600/3=200

200 Candy Bars

Leon is selling candy bars for a school fundraiser. He raises $3.00 for each candy bar he sells. The graph shown below represents the total amount of money, in dollars, Leon has raised based on the number of candy bars he has sold.



The pattern continues.

A. Which axis represents the number of candy bars sold?

the x axis.

B. Write the ordered pair that represents the amount of money Leon raises for selling 6 candy bars.

(4 , 12)

Continued. **Please refer to the previous page for task explanation.**

C. Explain why it is **not** possible for any of the points on the graph to have a *y*-coordinate of 77.

It is not possible because you can not have a coordinate of 77 that gets that high

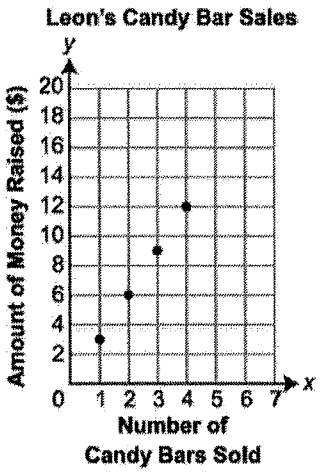
Last year, Leon raised a total of $240 from his candy bar sales. This year, his goal is to raise at least 2.5 times that amount.

D. What is the **fewest** candy bars Leon needs to sell to reach his goal for this year? Show or explain all your work.

last year toatl
$240

this year toatl
$600

Leon is selling candy bars for a school fundraiser. He raises $3.00 for each candy bar he sells. The graph shown below represents the total amount of money, in dollars, Leon has raised based on the number of candy bars he has sold.



The pattern continues.

A. Which axis represents the number of candy bars sold?

y – axis

B. Write the ordered pair that represents the amount of money Leon raises for selling 6 candy bars.

(18 , 6)

C. Explain why it is **not** possible for any of the points on the graph to have a *y*-coordinate of 77.

because the graph only goes up to 20 on the y-axis

50 / 1000

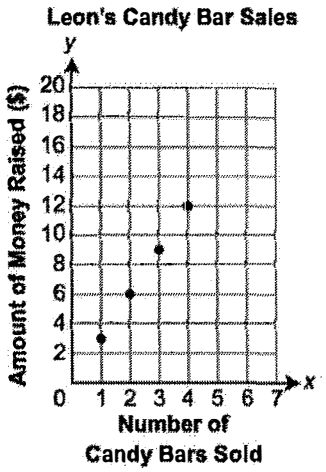
Last year, Leon raised a total of $240 from his candy bar sales. This year, his goal is to raise at least 2.5 times that amount.

D. What is the **fewest** candy bars Leon needs to sell to reach his goal for this year? Show or explain all your work.

99

2 / 1000

Leon is selling candy bars for a school fundraiser. He raises $3.00 for each candy bar he sells. The graph shown below represents the total amount of money, in dollars, Leon has raised based on the number of candy bars he has sold.



The pattern continues.

A. Which axis represents the number of candy bars sold?

x

B. Write the ordered pair that represents the amount of money Leon raises for selling 6 candy bars.

(6 , 15)

C. Explain why it is **not** possible for any of the points on the graph to have a *y*-coordinate of 77.

77 is not a multiple of 3

25 / 1000

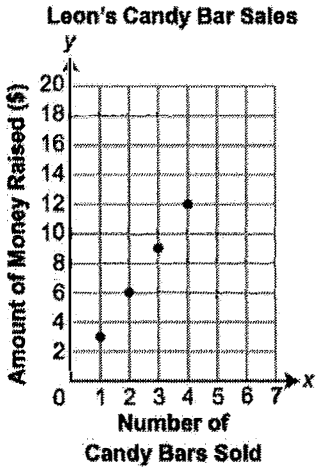
Last year, Leon raised a total of $240 from his candy bar sales. This year, his goal is to raise at least 2.5 times that amount.

D. What is the **fewest** candy bars Leon needs to sell to reach his goal for this year? Show or explain all your work.

200 candy bars. First I multiplied 240 times 2.5 to get 600 which is his goal. Then I did 600 divided by 3 and got an answer of 200 candy bars.

143 / 1000

Leon is selling candy bars for a school fundraiser. He raises $3.00 for each candy bar he sells. The graph shown below represents the total amount of money, in dollars, Leon has raised based on the number of candy bars he has sold.



The pattern continues.

A. Which axis represents the number of candy bars sold?

The X axis.

B. Write the ordered pair that represents the amount of money Leon raises for selling 6 candy bars.

(6 , 18)

C. Explain why it is **not** possible for any of the points on the graph to have a *y*-coordinate of 77.

Because 77 is not could not be one of the numbers in the pattern because we are counting by two so we can only have even numbers in the pattern.

144 / 1000

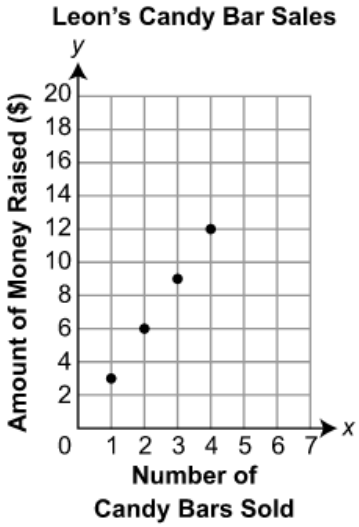
Last year, Leon raised a total of $240 from his candy bar sales. This year, his goal is to raise at least 2.5 times that amount.

D. What is the **fewest** candy bars Leon needs to sell to reach his goal for this year? Show or explain all your work.

He can rais that amount of money in 47 weeks. I got my answer by $240 times 2.5 and got 600 and then i did 4 times 12 and 48. Then 600 divieded by 48 weeks and got 12.5 and saw that in my pattern that was one week off and my pattern was 12.5 so i subtracted .5 off of the 12 and took the weeks down to 47 so i got 47 as my answer for how many weeks it will take him to rais 2.5 times as much money as he raised last year

420 / 1000

Leon is selling candy bars for a school fundraiser. He raises $3.00 for each candy bar he sells. The graph shown below represents the total amount of money, in dollars, Leon has raised based on the number of candy bars he has sold.



The pattern continues.

A. Which axis represents the number of candy bars sold?

The y axis

B. Write the ordered pair that represents the amount of money Leon raises for selling 6 candy bars.

(4 , 12)

C. Explain why it is **not** possible for any of the points on the graph to have a *y*-coordinate of 77.

Because the grid only has even numbers on it you will not see this kind of grid with odd numbers in the y coordinate

117 / 1000

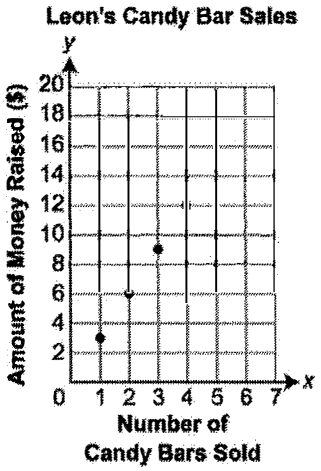
Last year, Leon raised a total of $240 from his candy bar sales. This year, his goal is to raise at least 2.5 times that amount.

D. What is the **fewest** candy bars Leon needs to sell to reach his goal for this year? Show or explain all your work.

The fewist is 1,3 becase thats the least amount of number

58 / 1000

Leon is selling candy bars for a school fundraiser. He raises $3.00 for each candy bar he sells. The graph shown below represents the total amount of money, in dollars, Leon has raised based on the number of candy bars he has sold.



The pattern continues.

A. Which axis represents the number of candy bars sold?

X axis

B. Write the ordered pair that represents the amount of money Leon raises for selling 6 candy bars.

(
6
18
)

C. Explain why it is **not** possible for any of the points on the graph to have a *y*-coordinate of 77.

77 is not a multipul of 3

25 / 1000

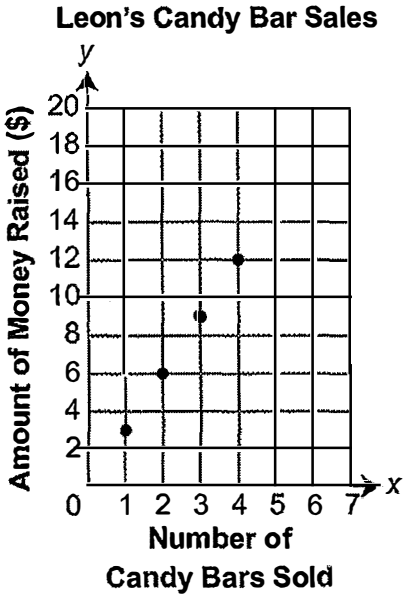
Last year, Leon raised a total of $240 from his candy bar sales. This year, his goal is to raise at least 2.5 times that amount.

D. What is the **fewest** candy bars Leon needs to sell to reach his goal for this year? Show or explain all your work.

40 more candy bars

18 / 1000

Leon is selling candy bars for a school fundraiser. He raises $3.00 for each candy bar he sells. The graph shown below represents the total amount of money, in dollars, Leon has raised based on the number of candy bars he has sold.



The pattern continues.

A. Which axis represents the number of candy bars sold?

The axis that represents the candy bars sold is called the x axis, which is the bottom axis.

B. Write the ordered pair that represents the amount of money Leon raises for selling 6 candy bars.

(6 , 18)

Continued. Please refer to the previous page for task explanation.

C. Explain why it is **not** possible for any of the points on the graph to have a *y*-coordinate of 77.

It is not possible for any of the points to have a y-coordinate of 77 because each candy bar is $3.00. You cannot evenly divide 77 by 3, therefore no candy bar can jump by 3's to 77.

Last year, Leon raised a total of $240 from his candy bar sales. This year, his goal is to raise at least 2.5 times that amount.

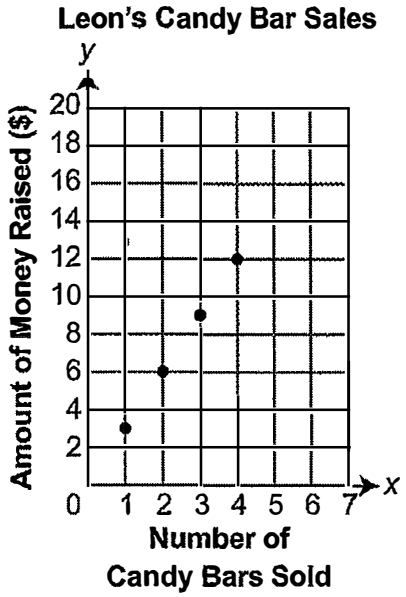
D. What is the **fewest** candy bars Leon needs to sell to reach his goal for this year? Show or explain all your work.

$240.0
× 2.5
$400

$600.00 ÷ $3.00 = 200

200 bars

Leon is selling candy bars for a school fundraiser. He raises $3.00 for each candy bar he sells. The graph shown below represents the total amount of money, in dollars, Leon has raised based on the number of candy bars he has sold.



The pattern continues.

A. Which axis represents the number of candy bars sold?

4 candy bars

B. Write the ordered pair that represents the amount of money Leon raises for selling 6 candy bars.

($18.00, $36.00)

Continued. Please refer to the previous page for task explanation.

C. Explain why it is **not** possible for any of the points on the graph to have a *y*-coordinate of 77.

cause leon isnt gonna sell all of them

Last year, Leon raised a total of $240 from his candy bar sales. This year, his goal is to raise at least 2.5 times that amount.

D. What is the **fewest** candy bars Leon needs to sell to reach his goal for this year? Show or explain all your work.

200 cause you times 2.5 by 240 and get 600 then divide 3.00 and get 200

PRACTICE SET 2* Item:

Subject: Math **Leon's Candy Bar Sales** **Grade:5**

Name_____

Number	Score	Consensus	Notes
P2-1			
P2-2			
P2-3			
P2-4			
P2-5			
P2-6			
P2-7			
P2-8			
P2-9			
P2-10			

*** Responses in this set do not have true scores. Apply scores based on scoring criteria.**