

Cade bought 4 boxes of Christmas lights. Each box has 102 lights inside.  $\frac{1}{6}$  of the lights are red. How many lights are red?



Seyah is frosting cookies. She needs  $\frac{1}{16}$  cup frosting for each cookie. She has 3 cups of frosting. How many cookies can she frost?



Piper has  $3\frac{1}{2}$  pounds of peanuts. She is packaging them in bags of  $\frac{1}{2}$  of a pound. How many bags can she fill?



Kharmma is baking cupcakes for her friend's birthday.

She has baked  $\frac{2}{3}$  of the cupcakes so far. If she

puts candles on  $\frac{1}{2}$  of the baked cupcakes, what

fraction of the total

cupcakes will have candles?



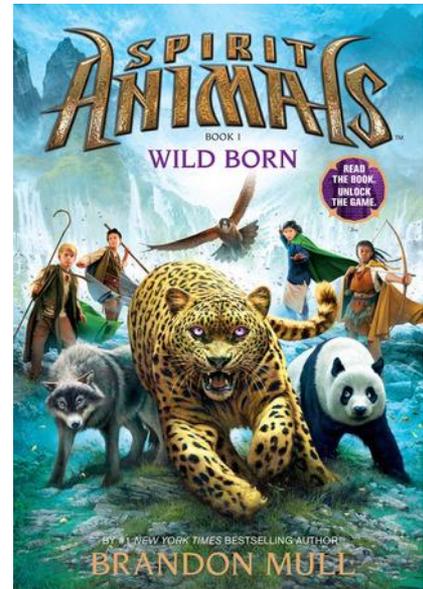
Logan built a Lego tower that is  $3\frac{1}{3}$  meters tall. Each level of the tower is  $\frac{2}{3}$  meter tall.



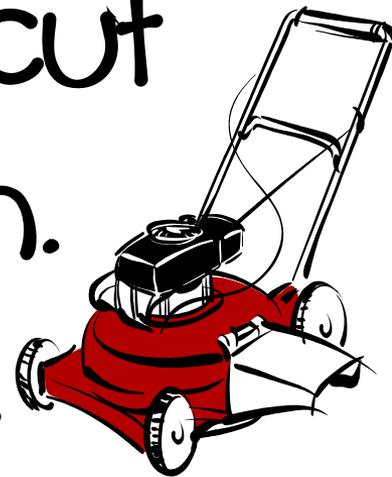
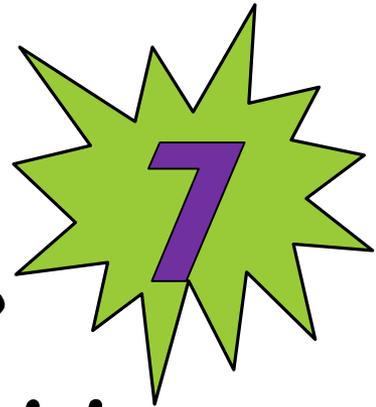
How many levels did Logan build?



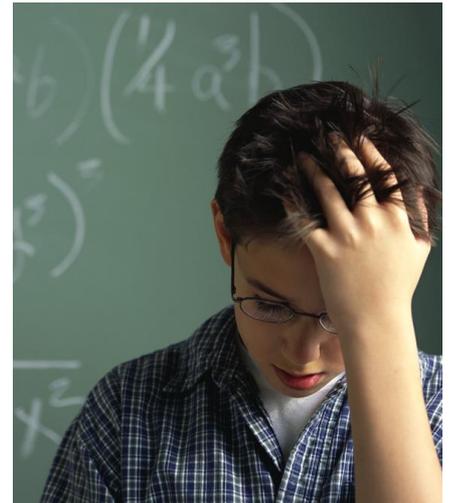
Ruby is trying to read every book in the school library.  $\frac{3}{4}$  of the books are fiction.  $\frac{1}{3}$  of the fiction books are about animals. What fraction of all of the library books are about animals?



Xavier is mowing his  
grandma's lawn. He has  
finished  $\frac{1}{2}$  of the lawn. He  
has only enough gas to cut  
 $\frac{1}{8}$  of the remaining lawn.  
How much of the TOTAL  
lawn will be left un-mowed?



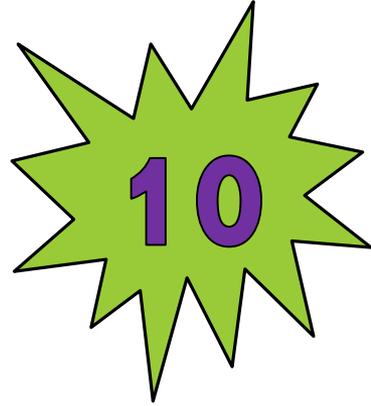
Julian has completed  $\frac{2}{5}$  of the math problems on his test. There are 20 problems on the test. How many problems does he have *remaining* to complete?



$\frac{3}{8}$  of Mr. Park's class enjoys science experiments.  $\frac{2}{5}$  of his class enjoys art. There are 40 students in his class. Do more students enjoy science or art?



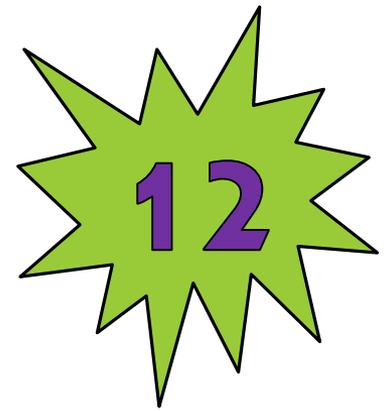
James bought 1 and  $\frac{3}{4}$  pounds of hamburger meat to make  $\frac{1}{4}$  pound hamburger patties. How many  $\frac{1}{4}$  pound patties can he make?



Hattie is filling bags of candy with  $\frac{1}{12}$  of a pound in each bag. She only has  $\frac{2}{3}$  pound of candy left. How many bags is she able to fill?



Jude is making grilled  
cheese sandwiches.

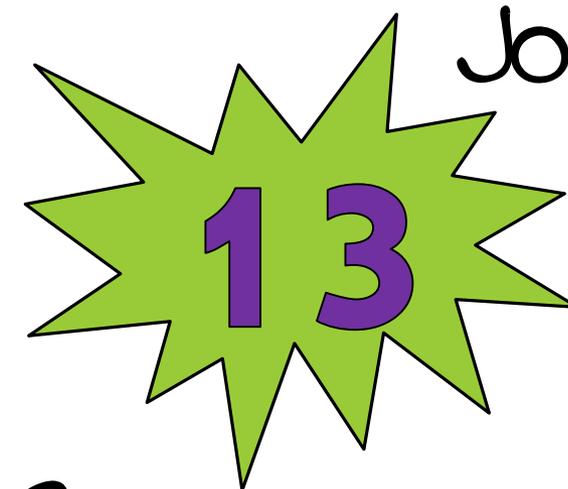


Each sandwich uses  $\frac{3}{16}$   
pound of cheese. How  
many sandwiches can he  
make from  $2\frac{1}{16}$   
pound of cheese?



The elves need  $\frac{1}{5}$  cup of frosting to frost a gingerbread house. They have  $\frac{4}{5}$  cup frosting. How many houses can they frost?

$\frac{4}{5} - \frac{1}{5} = \frac{3}{5}$  1 house  
 $\frac{3}{5} - \frac{1}{5} = \frac{2}{5}$  1 house  
 $\frac{2}{5} - \frac{1}{5} = \frac{1}{5}$  1 house  
 $\frac{1}{5} - \frac{1}{5} = \frac{0}{5}$  1 house  
4 You can complete  
4 houses.

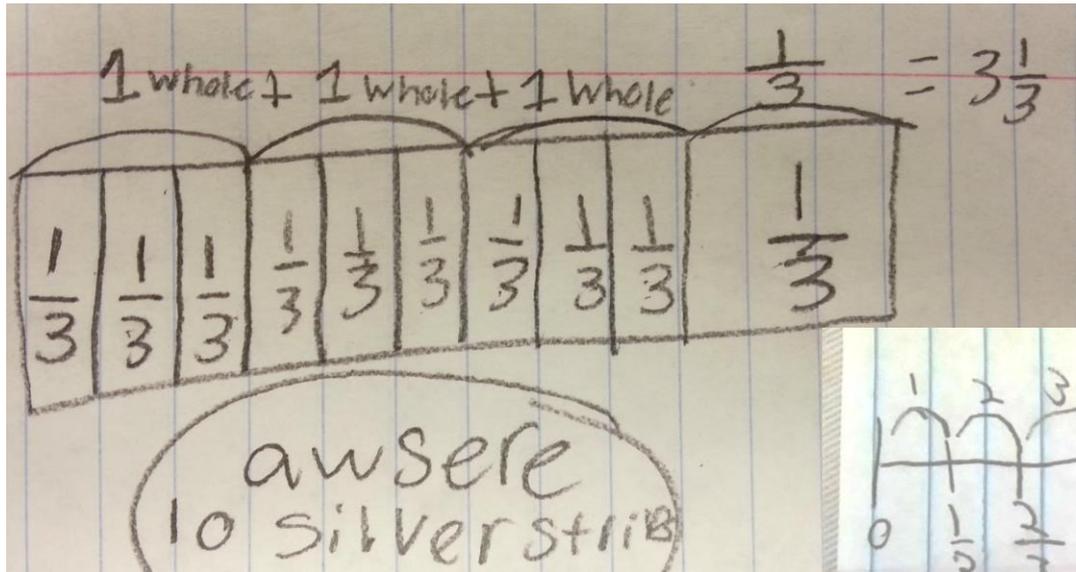


Sam

$\frac{1}{5} \frac{1}{5} \frac{1}{5} \frac{1}{5} = \frac{4}{5}$   
1 2 3 4 5  
 $\frac{1}{5} \frac{1}{5} \frac{1}{5} \frac{1}{5} \frac{1}{5}$   
The Sweet  
tooth elves can  
make  $\frac{4}{5}$  ginger  
bread 5 houses.

Sam and Jo solved the problem above. Explain why each student is correct or incorrect.

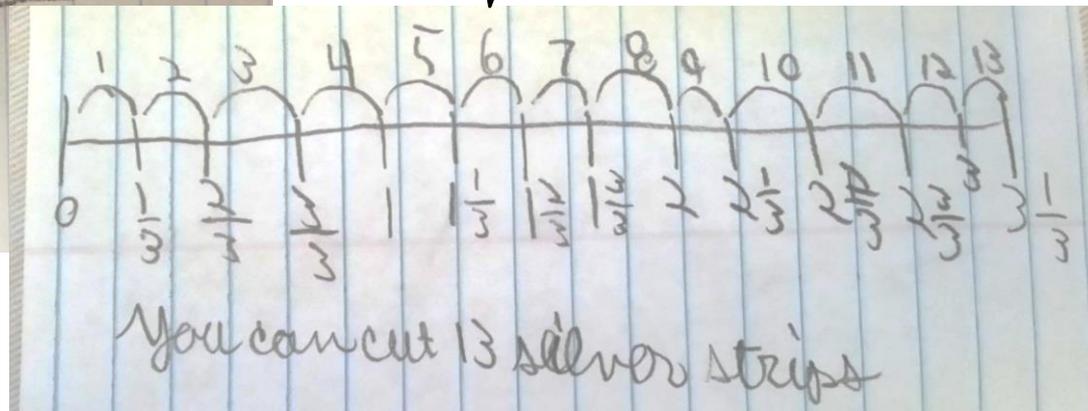
The elves need  $\frac{1}{3}$  meter of ribbon to make a bow. They have  $3\frac{1}{3}$  meter of ribbon. How many bows can they make?



Gabe

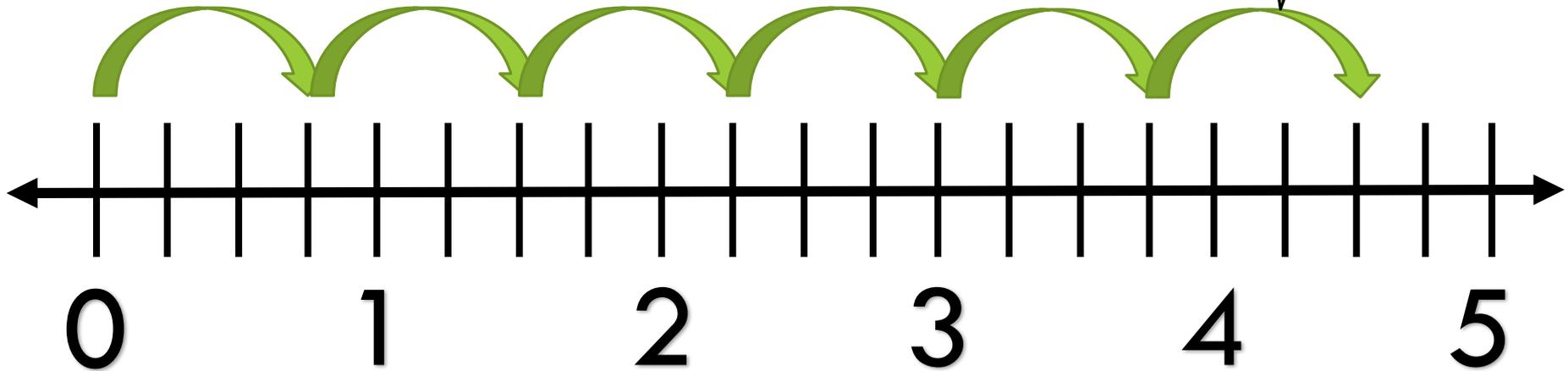


Ava

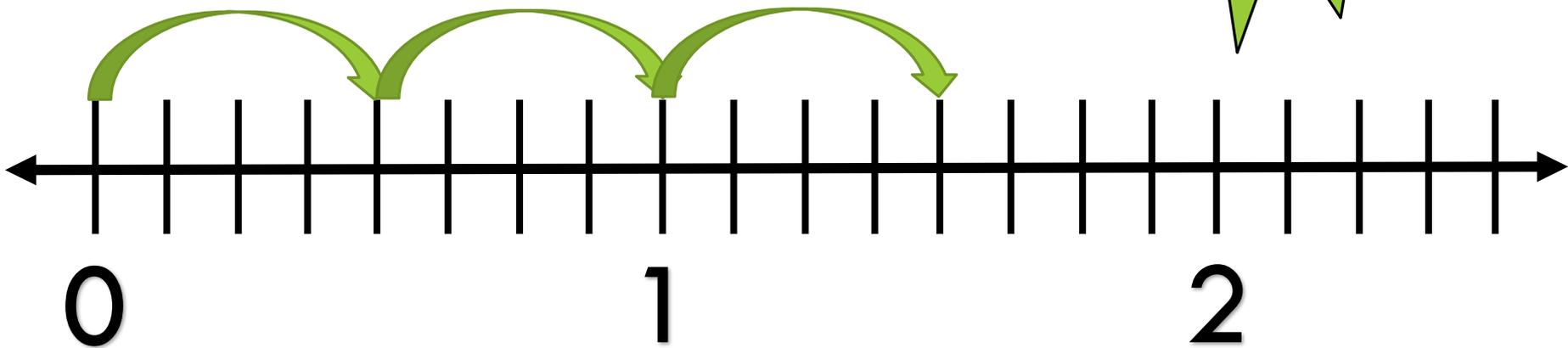


Gabe says that the elves can make 10 strips. Ava says the elves can make 13 strips. Which student is correct? Can you find the mistake?

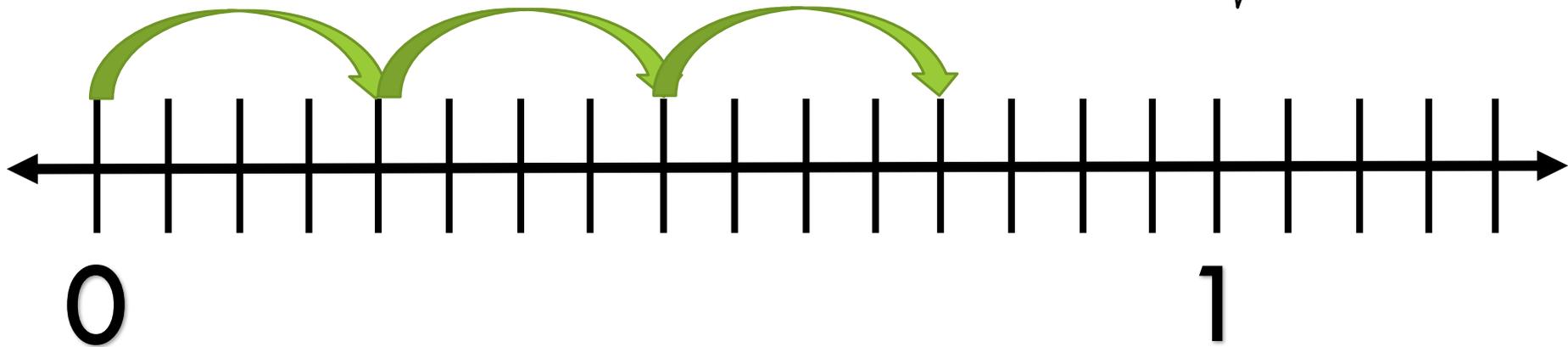
Write a word problem and number sentence to match this visual model.



Write a word problem and number sentence to match this visual model.



Write a word problem and number sentence to match this visual model.



Write a word problem to match this number sentence.



$$3 \div \frac{1}{3} =$$

Write a word problem to match this number sentence.



$$\frac{2}{5} \div \frac{1}{2} =$$

Write a word problem to match this number sentence.



$$\frac{3}{4} \div \frac{1}{3} =$$