Welcome to the ST Math Activity Pages!

These activity pages are like a playground of your favorite ST Math games in book form.

Scan the QR codes to play the ST Math puzzles related to each page.

I like the challenging problems in this book because I like the feeling when I figure it out.

I like problems that are:

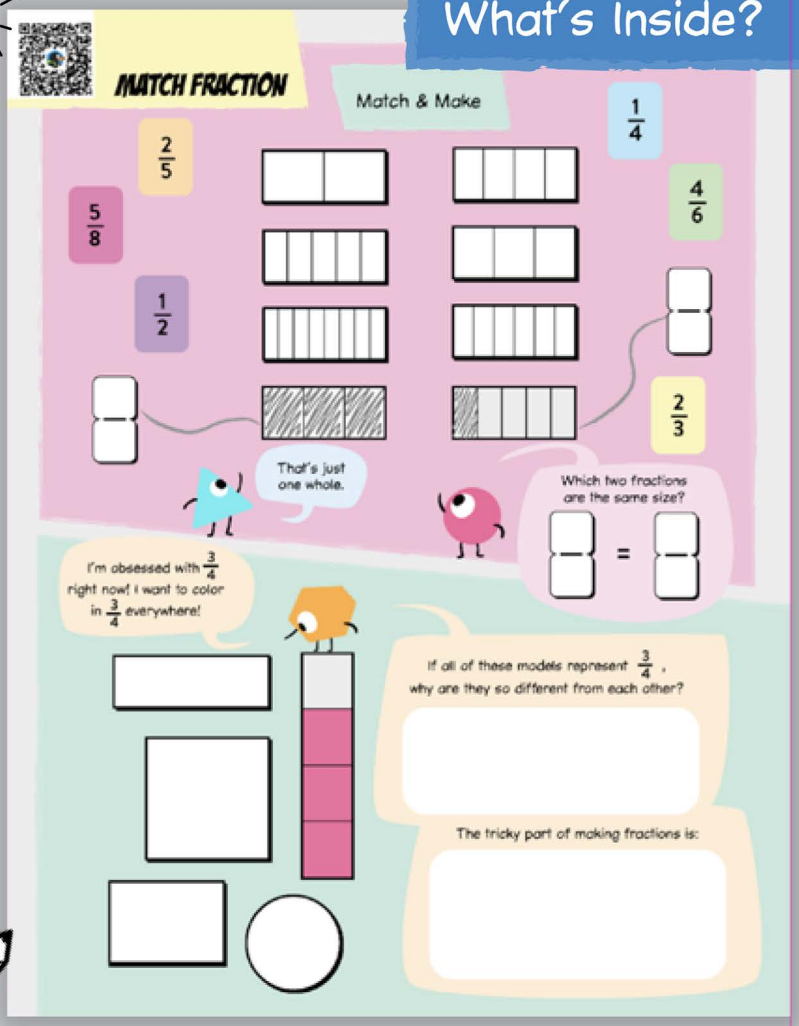
- ☐ tricky
- ☐ easy
- ☐ complex
- ☐ short
- ☐ open-ended
- ☐

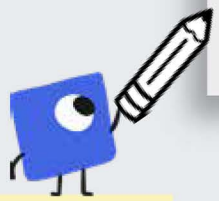
because...

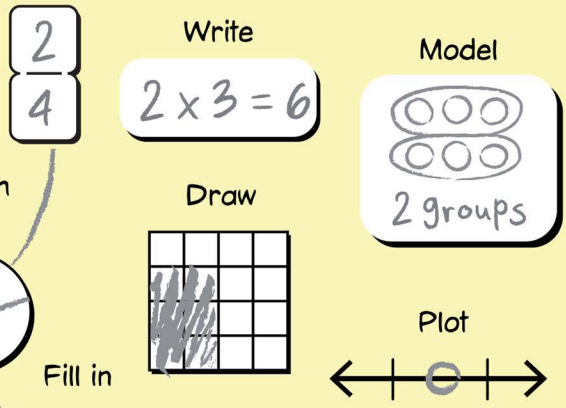
The problems remind me of the games in ST Math.

There are many ways to show your thinking.

What's Inside?







This is ***your*** math journey, so make these pages ***yours*** - fill them with your ideas, make mistakes, and challenge yourself!

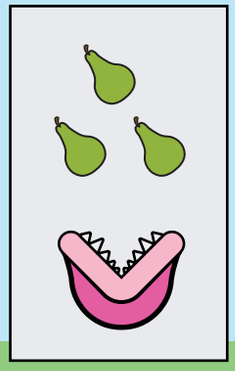
What if I don't know what to do?

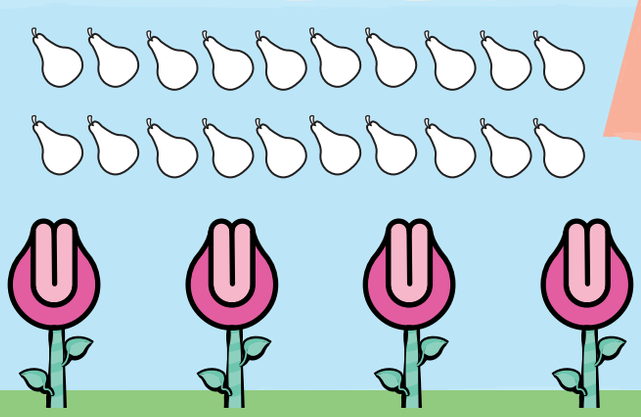
Try writing down what you think and then see how your ideas work out.

What if I don't get it correct right away?

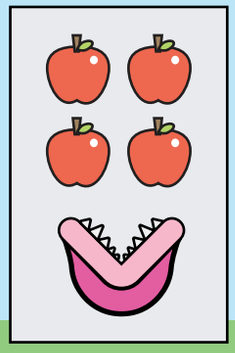
Mistakes are okay because you can always come back to it. And mistakes help us learn!

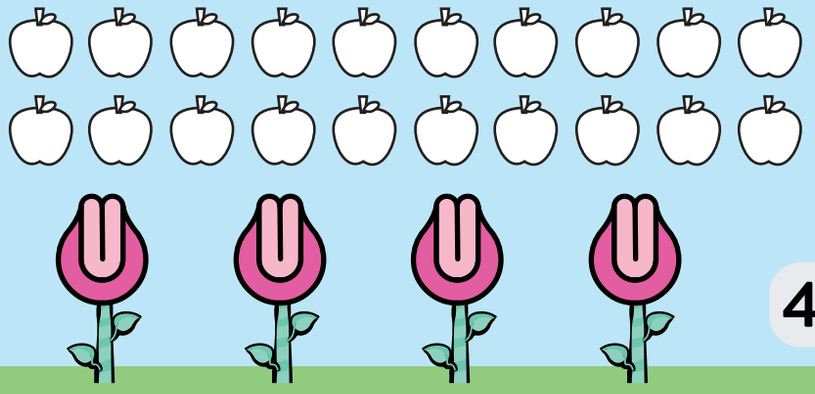
FRUIT MONSTER



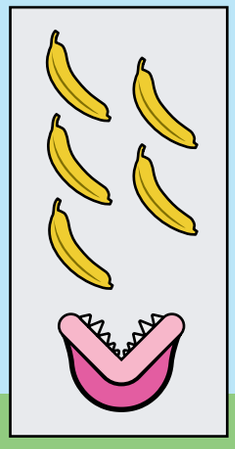


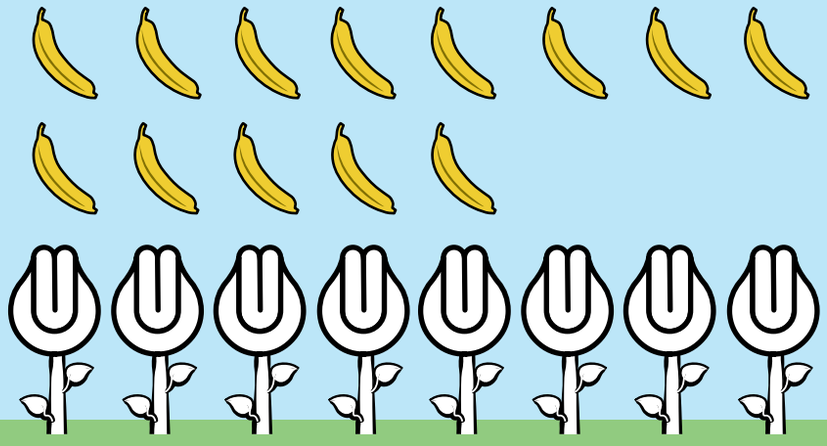
$4 \times 3 = \square$





$4 \times 4 = \square$





$\square \times 5 = 15$

It's our birthday soon and we each want a cake. The recipe calls for ***3*** cups of sugar and ***4*** eggs. Each cake will have ***10*** slices.

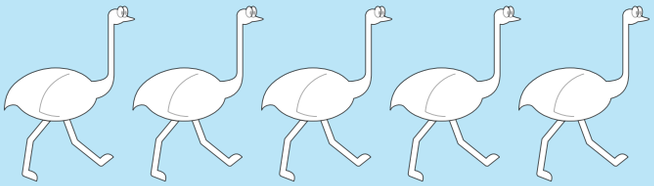
There's a ***x2*** in each of these equations because...

$\square$ cups of sugar $= 2 \times 3$

$2 \times \square = \square$ eggs

$\square \times \square =$ slices of cake

HOW MANY CREATURES SYMBOLIC



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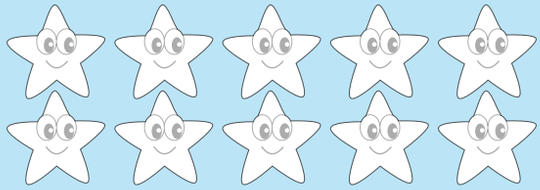

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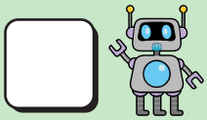
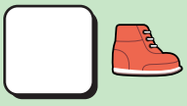
9 



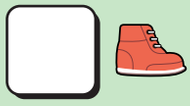
Match us to the sets of shoes we could each wear.

2 



18 

20 



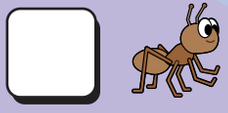
12 Shoe Store

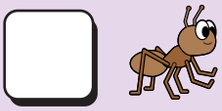
12 

24 Shoe Store

24 

How many of ***each*** of us can shop at each shoe store?





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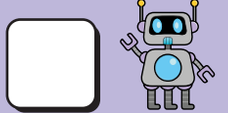
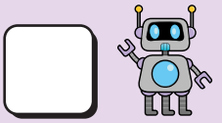
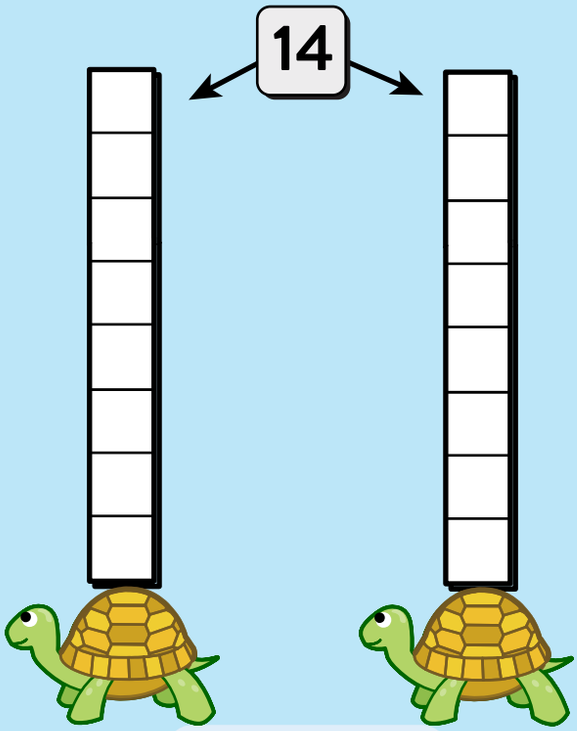




I can't shop at either of these shoe stores because...

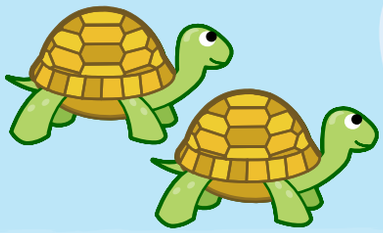
I noticed a pattern in the number of creatures that shop at each shoe store. I noticed that...

FAIR SHARING EXPRESSIONS

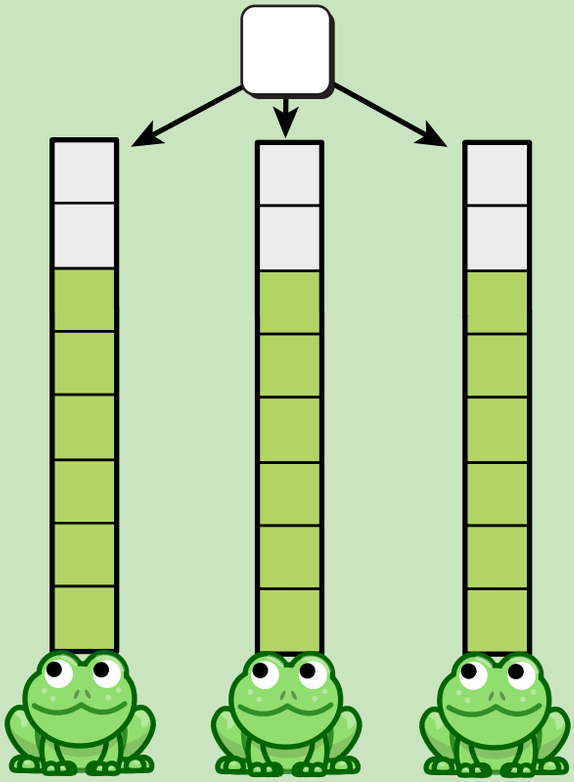


2 turtles shared **14** boxes.

How many boxes could **4** of us turtles carry together?

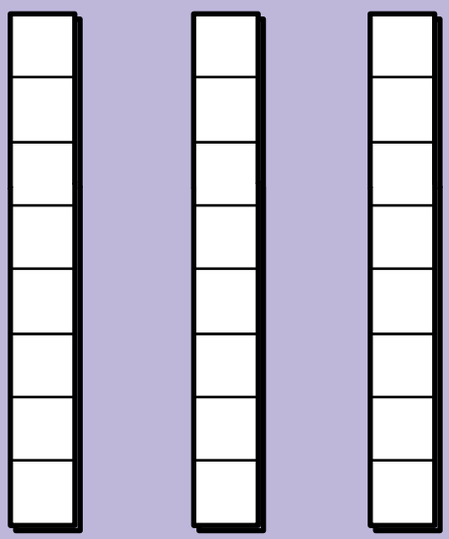


☐ boxes

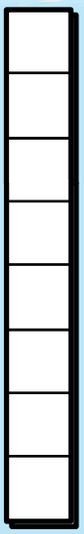


3 frogs shared ☐ boxes.

16 ÷ 4 **21 ÷ 7** **18 ÷ 3**

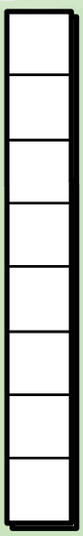


6 turtles shared **30** boxes.



each turtle

4 frogs shared **24** boxes.



each frog

If **6** of us have to share **42** boxes, how many should each frog carry?

☐ boxes

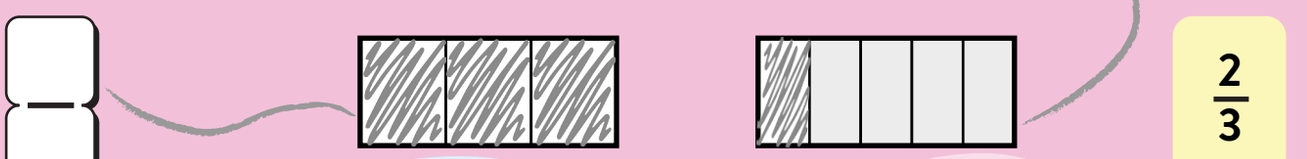
I have **15** boxes and each pig can carry **3** boxes. How many friends do I need to carry everything?

☐ pigs

MATCH FRACTION

Match & Make

$\frac{2}{5}$ $\frac{1}{4}$ $\frac{5}{8}$ $\frac{4}{6}$ $\frac{1}{2}$ $\frac{2}{3}$

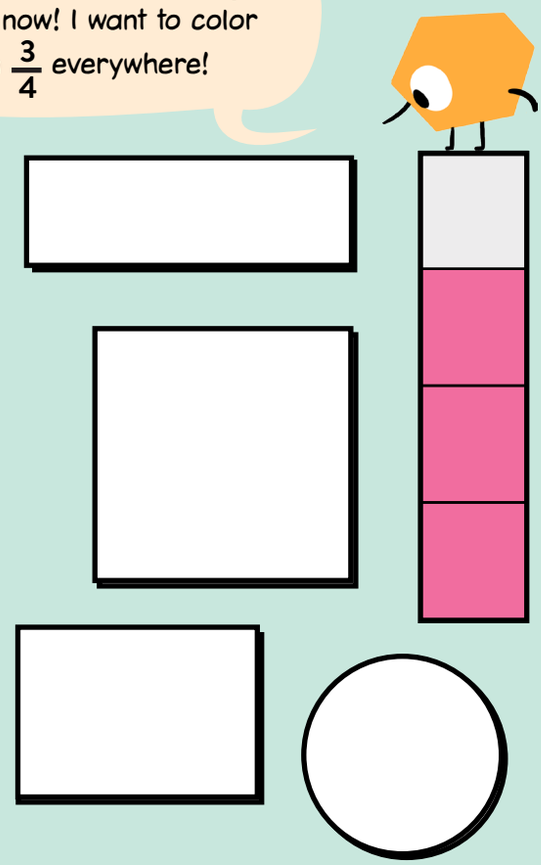


That's just one whole.

Which two fractions are the same size?

$\square = \square$

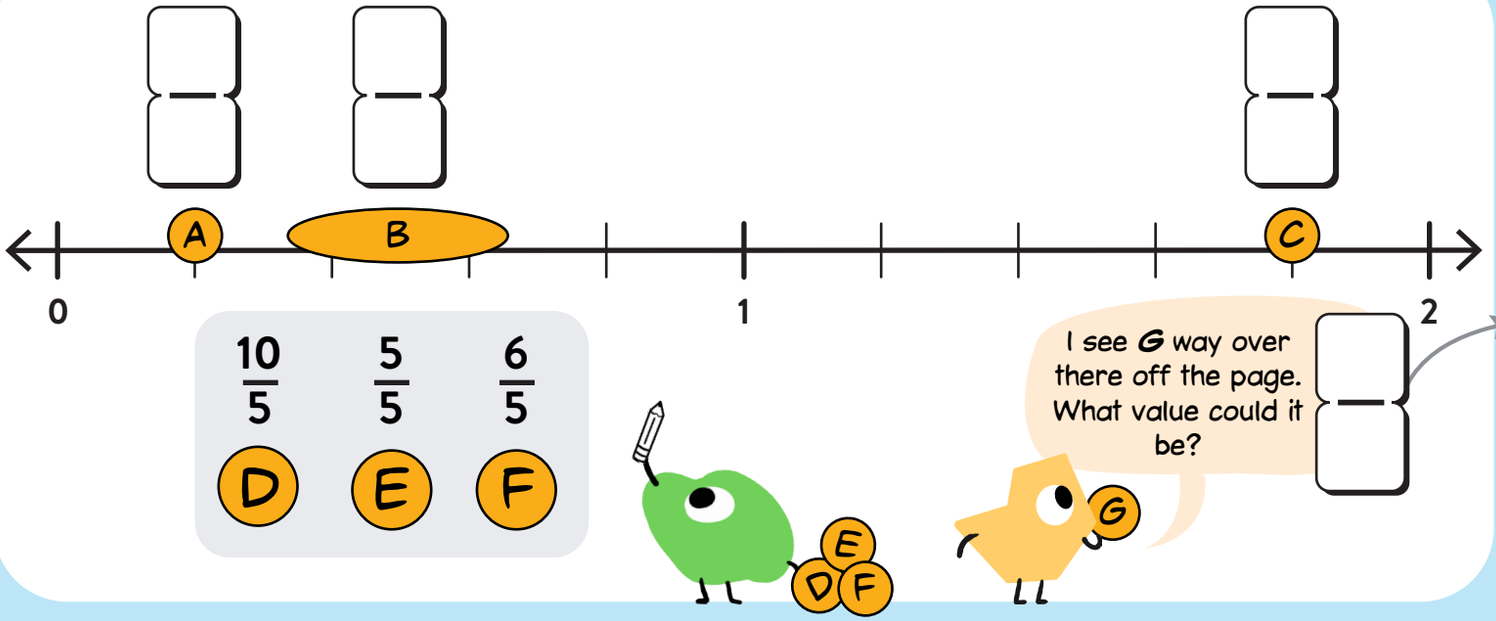
I'm obsessed with $\frac{3}{4}$ right now! I want to color in $\frac{3}{4}$ everywhere!

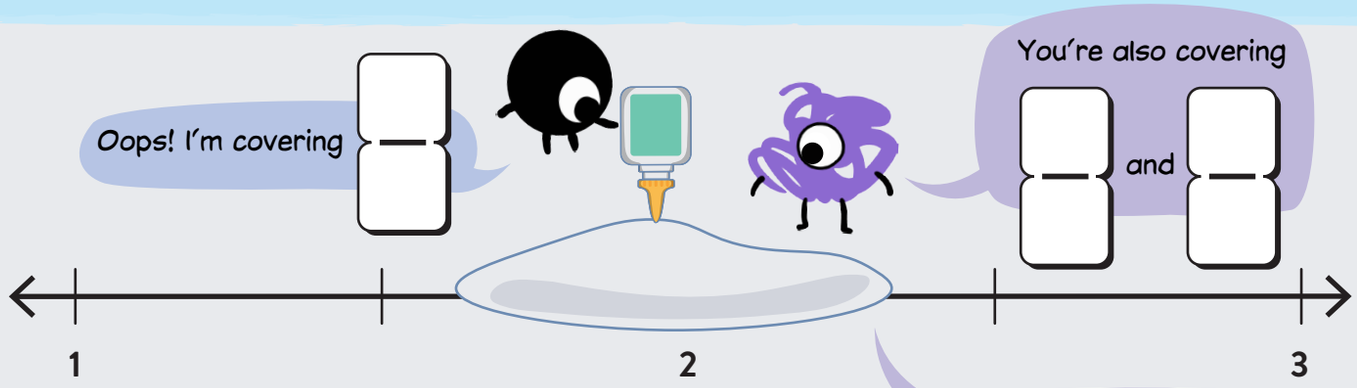


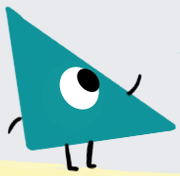
If all of these models represent $\frac{3}{4}$, why are they so different from each other?

The tricky part of making fractions is:

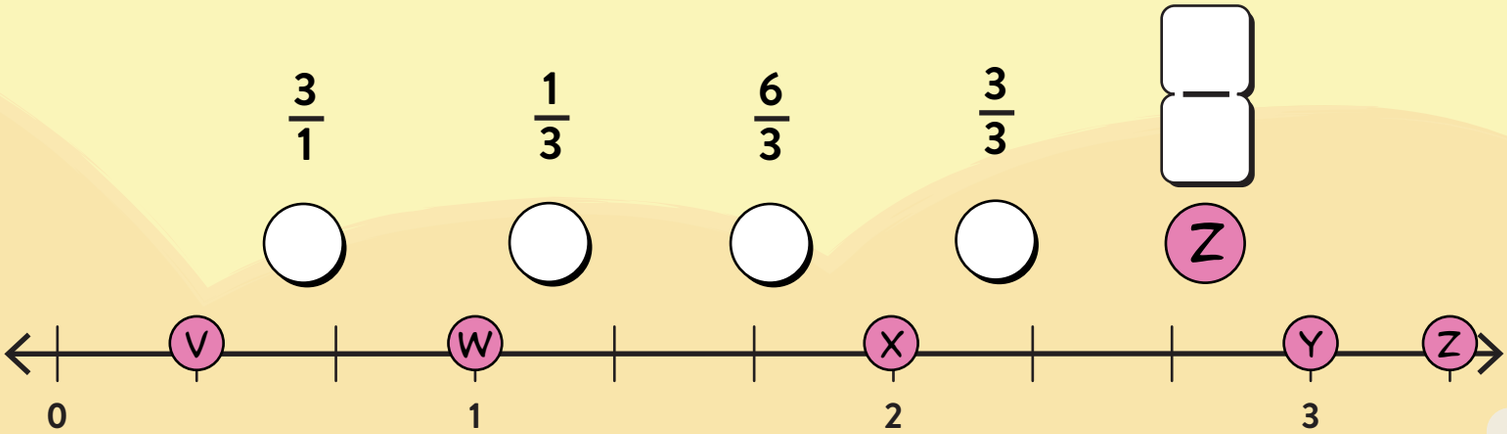
FRACTION TRAP



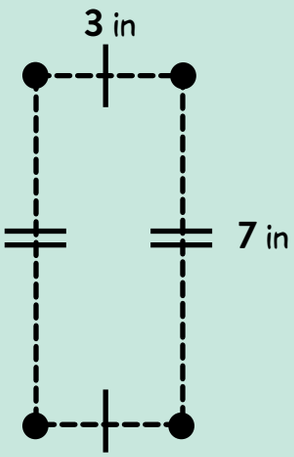




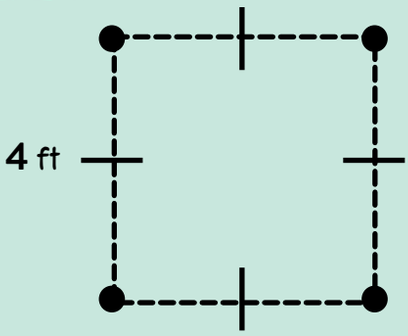
I don't think that is possible because...



PERIMETER SELECT



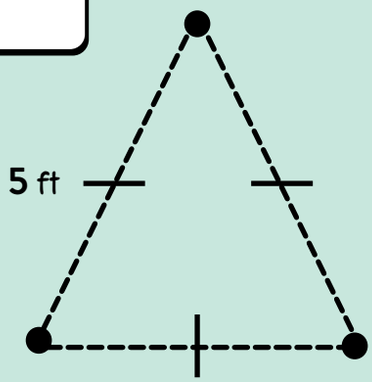
Perimeter =



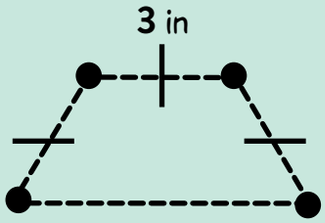
Perimeter =

What units are the sides being measured in?

Design your own shape with a perimeter of **40** units.



Perimeter =

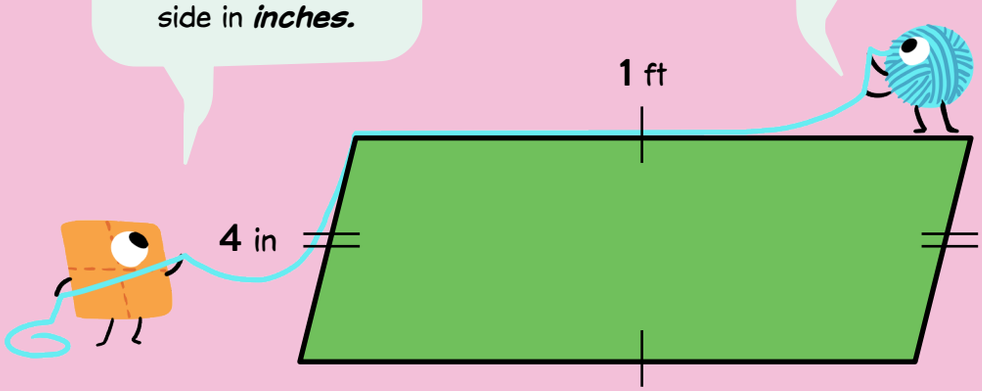


Perimeter =

Find the perimeter. Be careful.

I measured my side in ***inches.***

I measured my side in ***feet.***



Perimeter =