

The full inch is divided into two sections. The number of sections determines the denominator. Notice the line height. 0 1 1 2

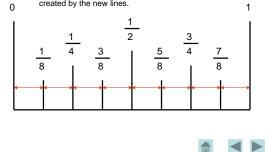


Notice the line height. It's getting smaller. Notice the line height. It's getting smaller. Remember the number of sections determines the denominator. The denominator is 4 because of the 4 sections created by the new lines. 0 0 What will the denominator be for the new lines? 1 1 1 1 2 3 1 4 4

0

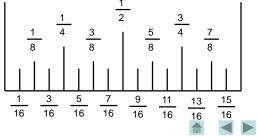
Each forth inch section is divided into two sections. Notice the line height. It's getting smaller. The denominator is 8 because of the 8 sections created by the new lines.

Each half inch section is divided into two sections.



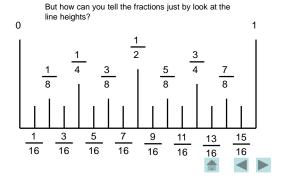
Each eighth inch section is divided into two sections. Notice the line height. It's getting smaller. The denominator is 16 because of the 16 sections created by the new lines.

Each half inch section is divided into two sections.



2

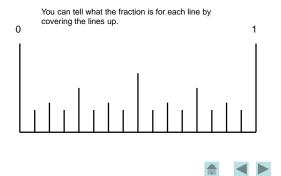




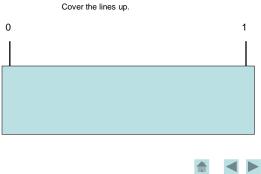
You now know all the fractions on a common school

ruler.

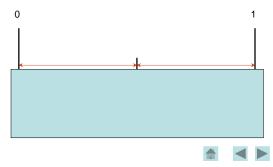


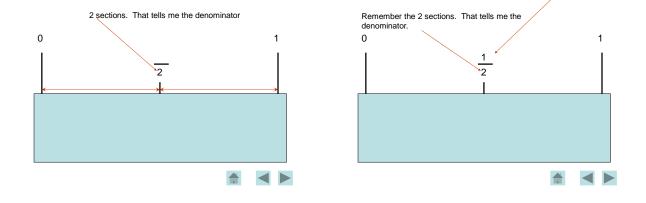


PAY CLOSE ATTENTION NOW

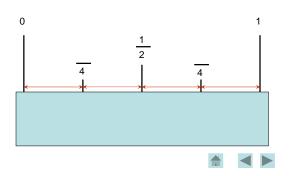


PAY CLOSE ATTENTION NOW NOW expose the first set of lines. HOW many sections are created?



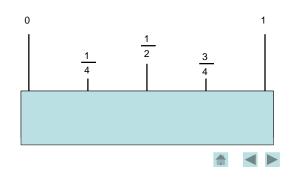


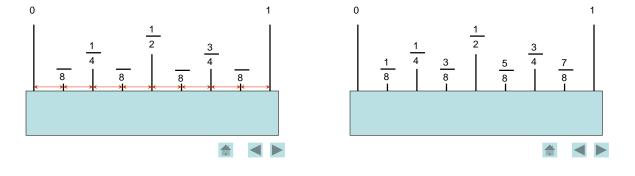
Expose the next set of lines. The number of sections created tells me the denominator.



Count by odd numbers for the numerators.

Count by odd numbers for the numerator.

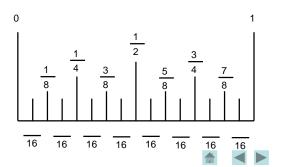




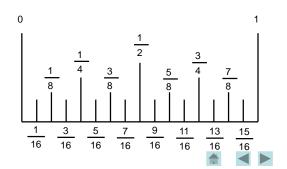
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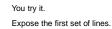
Count by odd numbers for the numerators.

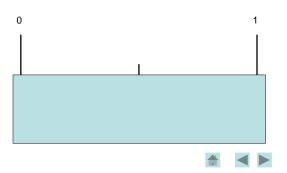
Expose the next set of lines. The number of sections created tells me the denominator.



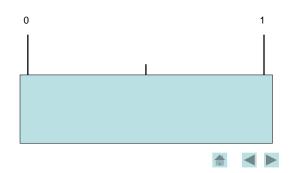
Count by odd numbers for the numerators.

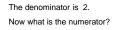


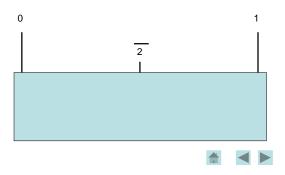




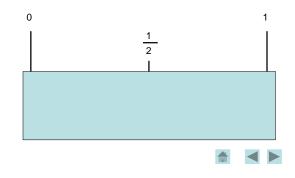
What is the denominator?







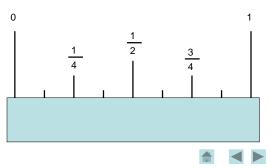
The numerator is 1. It's the first odd number. Now try the next set of lines.



The numerators will be 1 and 3. Count by odd numbers. The numerators will be 1 and 3. Count by odd numbers. Now expose the next set of lines. 0 0 1 1 1 1 1 3 4 4 ◀

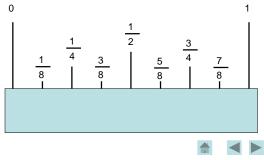
What will denominator be? The numerators will be? Remember, count by odd numbers.

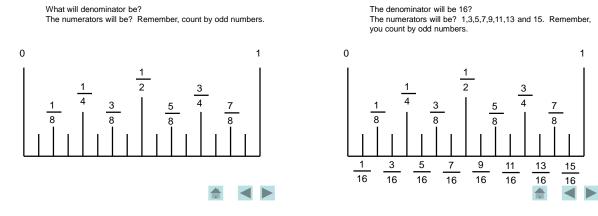
The denominator will be 4.



The denominator will be 8. And the numerators will be 1,3,5 and 7. Now expose the last set of lines.

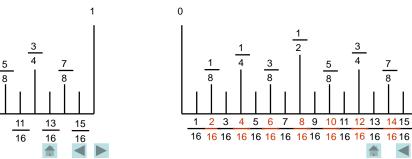
The denominator will be 4.





What will denominator be? The numerators will be? Remember, count by odd numbers.

All the red fractions can be reduced. Do you see any patterns?



Why do we count by odd number? Remember math class and reducing fractions. We only have odd number in the numerators because an even number could be reduced.

16

12 13

15

◀

10 11

Now fill in the lines on your ruler! Each mark should be labeled! Write neatly!



Measuring Practice

(Measure to the closest quarter inch)

- 1. What is the length of your notebook?
- 2. What is the height of the desk? _____
- 3. What is the length of your arm?
- 4. What is the length of your hair? _____
- 5. What is the distance between you and your face partner? _____