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EXPO  
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# Welcome to Math's Class Grade 3



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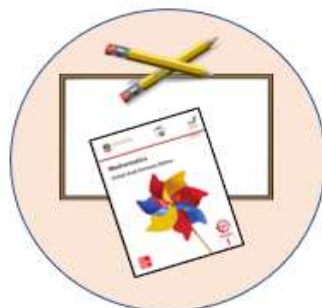
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## قوانين التعلم عن بعد والأمن الإلكتروني Distance learning and cybersecurity rules



أجهز كتبتي وأدواتي المدرسية  
Prepare books and  
school supplies



أجلس في مكان هادئ  
Set in quiet place



ارتداء الزي المدرسي  
Wear school uniform



الالتزام بوقت الحصة  
Be Ready on class  
time



افتح الكاميرا عندما تطلب المعلمة  
Open the camera when  
teacher requests



أغلق الميكروفون وأرفع يدي للمشاركة  
Stay on mute & raise my  
hand to participate



أشارك بالتعلم ولا أقطع أحد  
I participate & not interrupt  
anyone



لا أشارك بيانات حسابي  
I don't share my  
account information



# Safety Rules

لسلامتك وسلامة الآخرين

For your safety & the safety of others



غسل اليدين بالماء والصابون  
**Wash hands with  
soap and water**



ارتداء القناع عند الخروج من المنزل  
**Wear a mask when  
going outside**



أحافظ على التباعد الجسدي  
**Keep physical  
distancing**



استخدام المعقم  
**Use sterilizer**



قياس حرارتي قبل الخروج من المنزل  
**Take my temperature before  
leaving the house**



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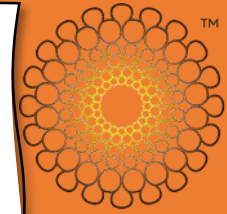
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# Lesson 8-1 :understand equivalent fractions



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Objectives:

I can find equivalent fraction using number line.



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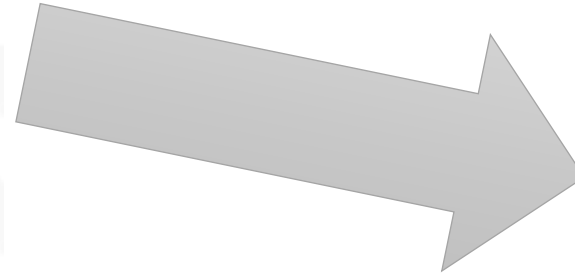
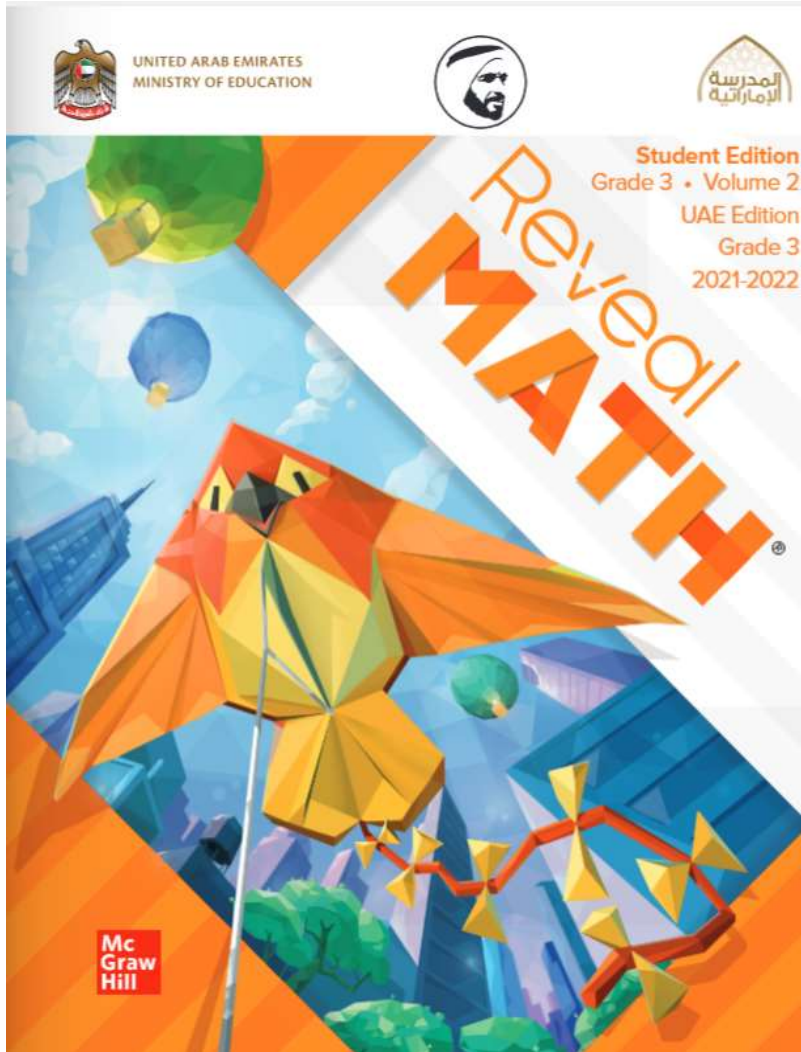
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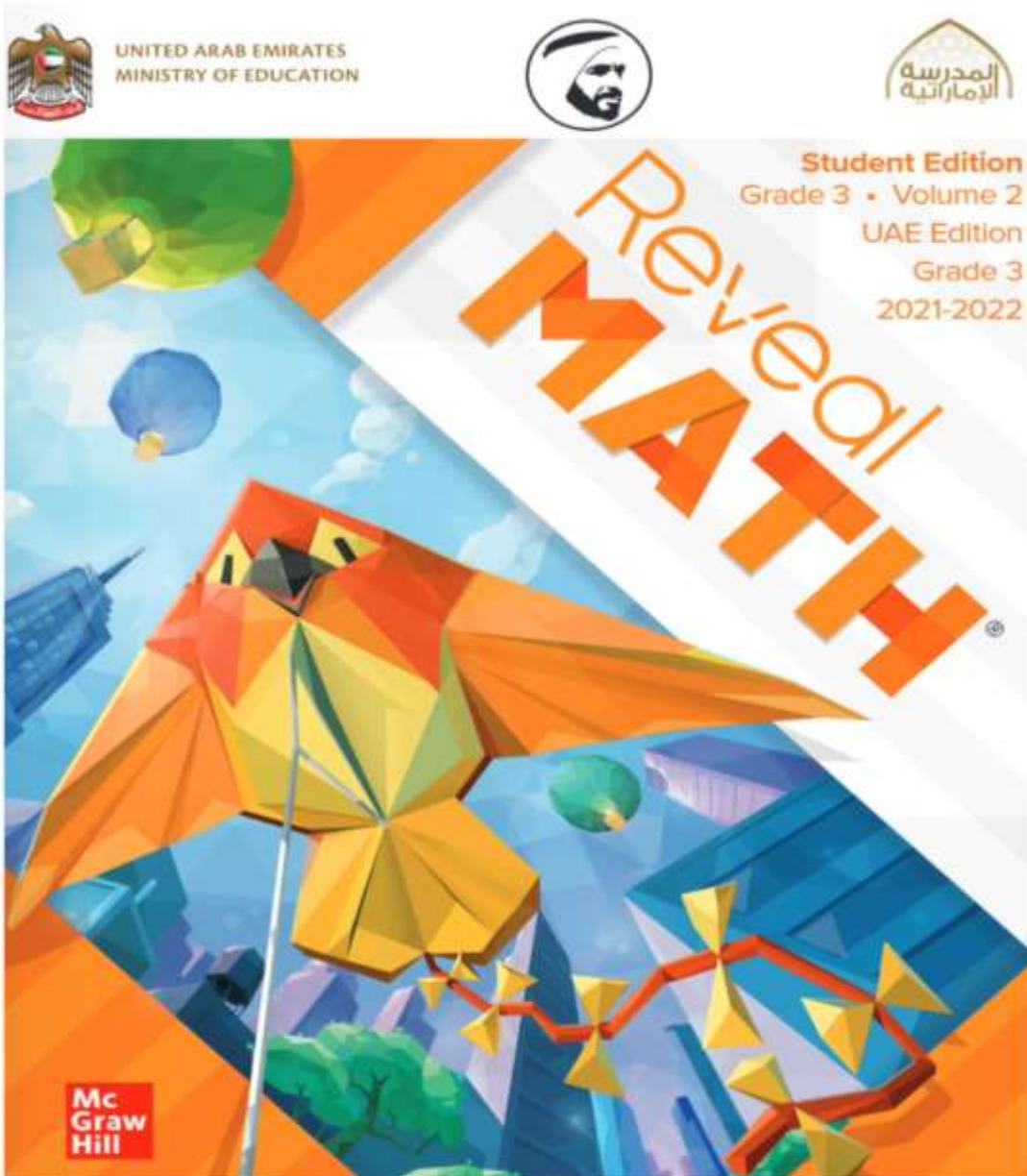
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# Review



<https://wordwall.net/resource/12351679/fractions-on-a-number-line/fractions-on-a-number-line-quiz>





Lesson 8-3

## Represent Equivalent Fractions on a Number Line

**Be Curious**

How are they the same?  
How are they different?

Math is... Mindset  
What makes you feel excited when doing math?

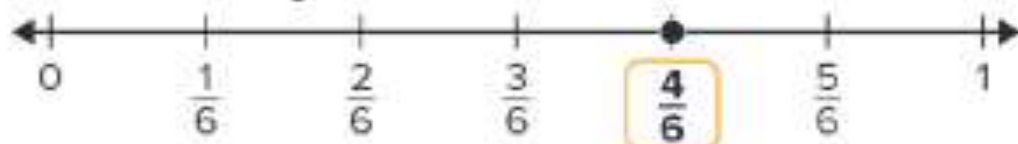
Unit 8 • Fraction Equivalence and Comparison 45

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Unit 8  
Lesson 3

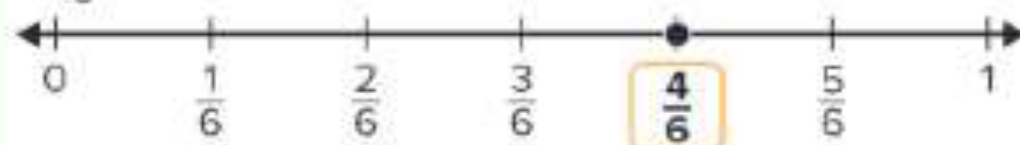
## Learn

Jin represents  $\frac{4}{6}$  on a number line.



How many thirds are equivalent to  $\frac{4}{6}$ ?

Draw a second number line the same length as the first. Align 0 and 1 on the number lines. Partition it into 3 equal intervals. Place a point the same distance from 0 as  $\frac{4}{6}$ .



$$\frac{4}{6} = \frac{2}{3}$$



Fractions at the same point on a number line represent equivalent fractions.

### Math is... Modeling

How do the number lines show the fractions are equivalent?



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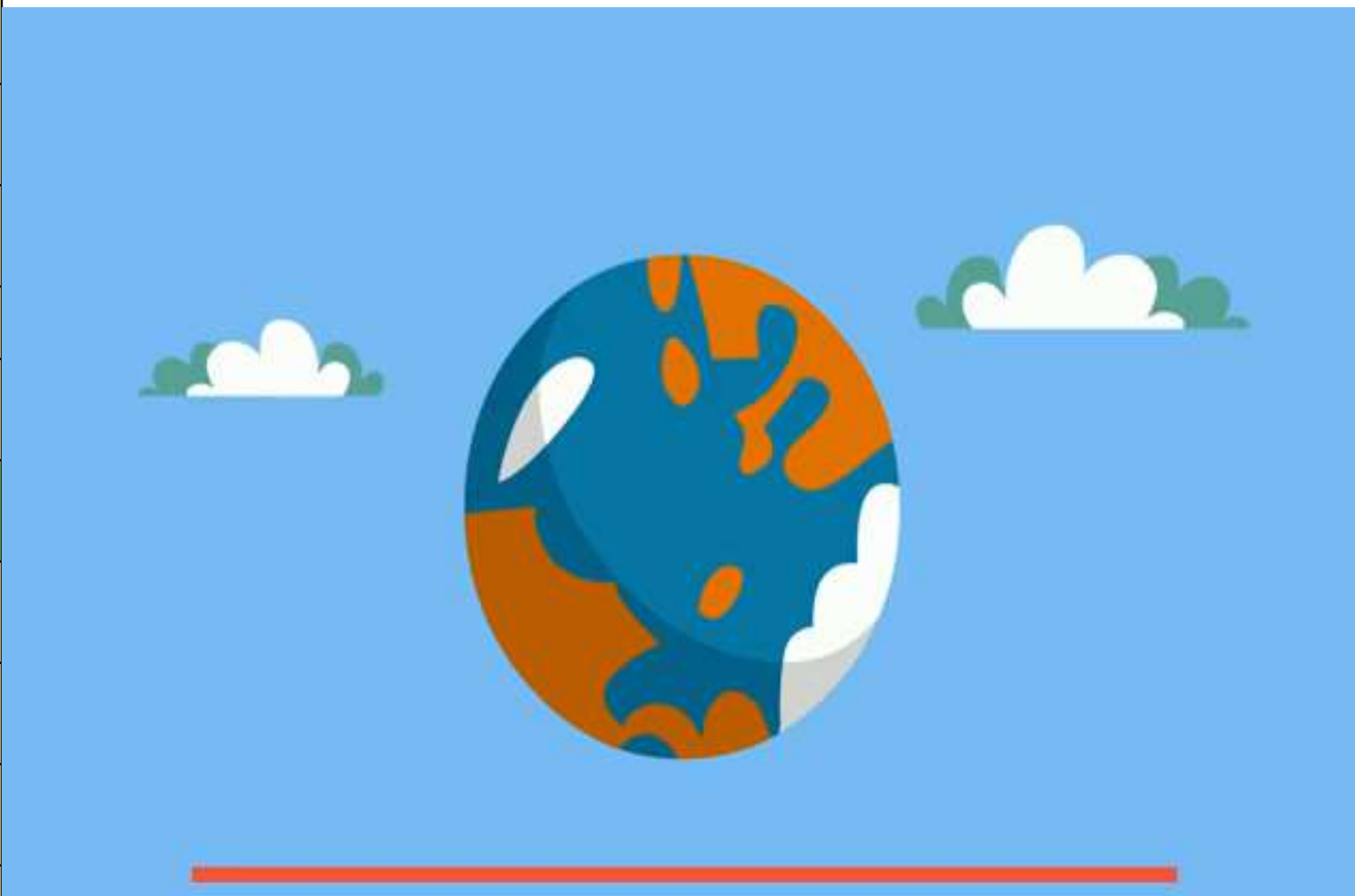
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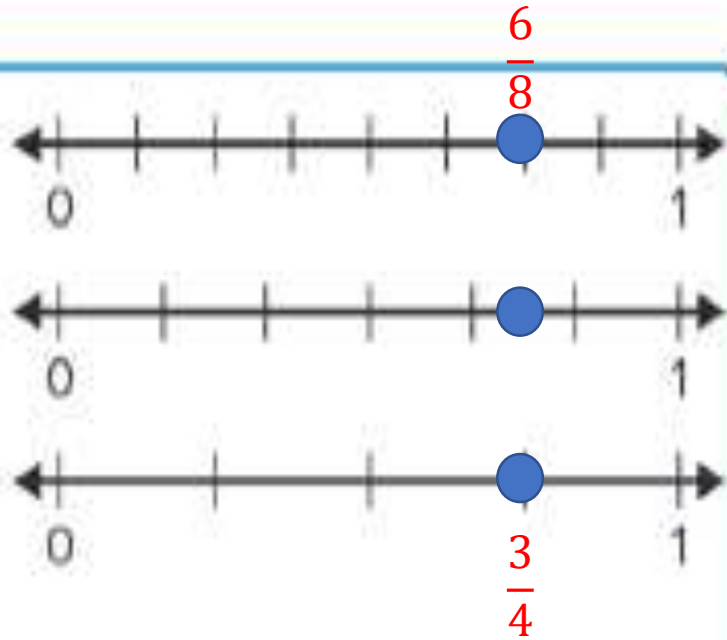
**Now let's watch this video**



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How can you use the number lines to find the fractions that are equivalent to  $\frac{6}{8}$ ? Explain.



$$\frac{3}{4}$$

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## On My Own

Name \_\_\_\_\_

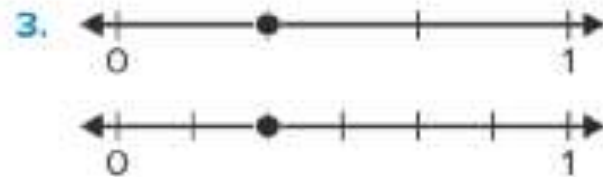
How can you use the points on the number lines to name the equivalent fractions?



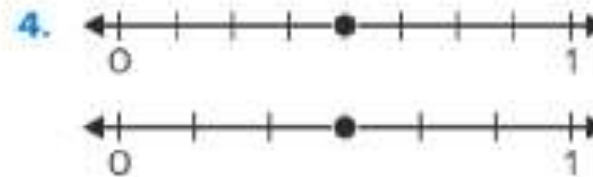
$$\frac{\boxed{\phantom{00}}}{4} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$



$$\frac{1}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$



$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

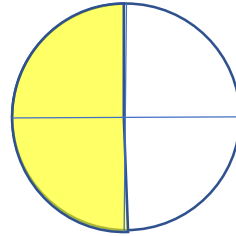
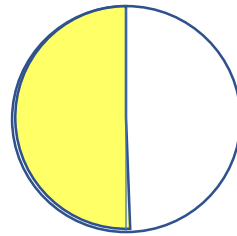


$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$





5. **STEM Connection** Owen walks  $\frac{1}{2}$  of a path searching for insects. His friend walks  $\frac{2}{4}$  of the same path. Who walked farther? Explain your thinking.



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*They both walked the same distance*



How can you use the number lines to complete the equations?

6.  $\frac{\square}{\square} = \frac{3}{4}$

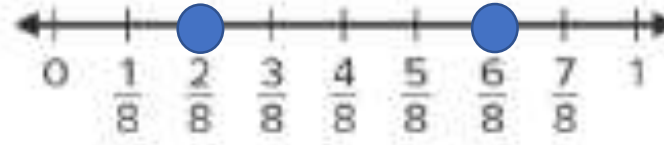
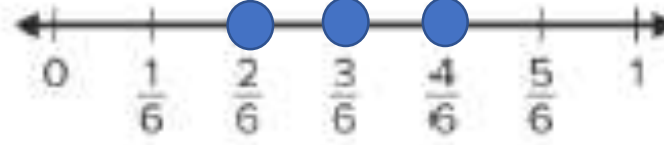
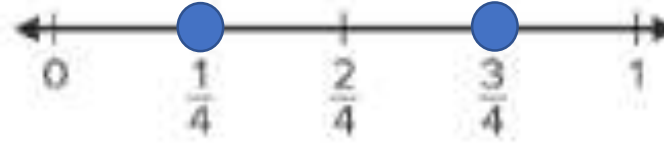
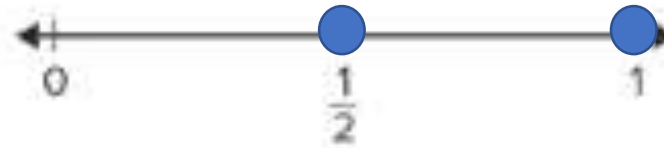
7.  $\frac{\square}{\square} = \frac{4}{6}$

8.  $\frac{1}{2} = \frac{\square}{6}$

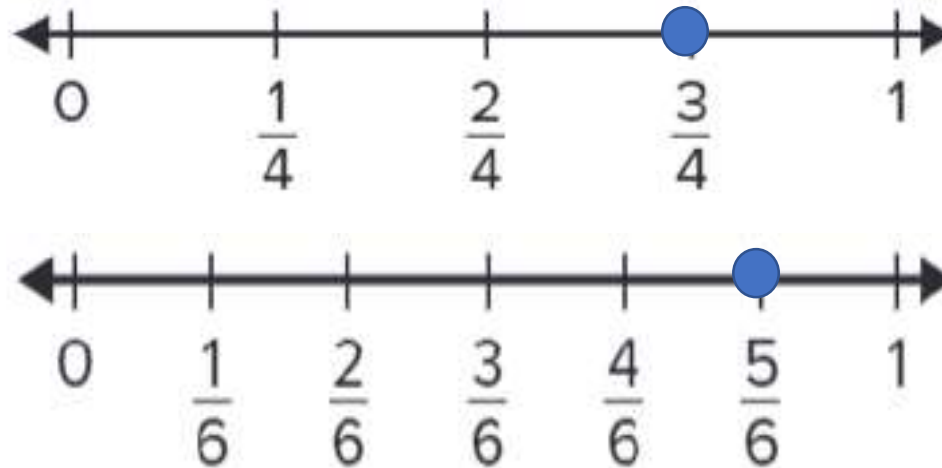
9.  $\frac{2}{2} = \frac{3}{\square}$

10.  $\frac{\square}{\square} = \frac{2}{6}$

11.  $\frac{\square}{\square} = \frac{1}{4}$



**12. Extend Your Thinking** How can you draw number lines to decide whether  $\frac{3}{4}$  is equivalent to  $\frac{5}{6}$ ?



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*No the fractions are not equivalent*



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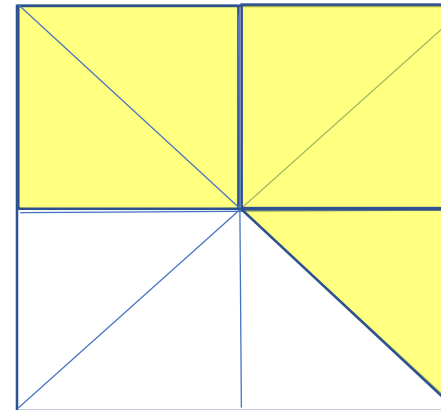
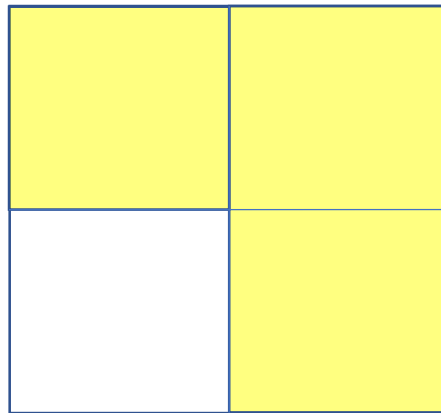
**Now let's watch this video**



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**12. Extend Your Thinking** How can you draw number lines to decide whether  $\frac{3}{4}$  is equivalent to  $\frac{5}{6}$ ?



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*No the fractions are not equivalent*



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## Self Assessment

I can find equivalent fractions using  
model and number lines.

1

**I can do it and teach it to  
someone**

2

**I can do it but not teach it**

3

**I need to practice it more**

4

**I didn't get it**

