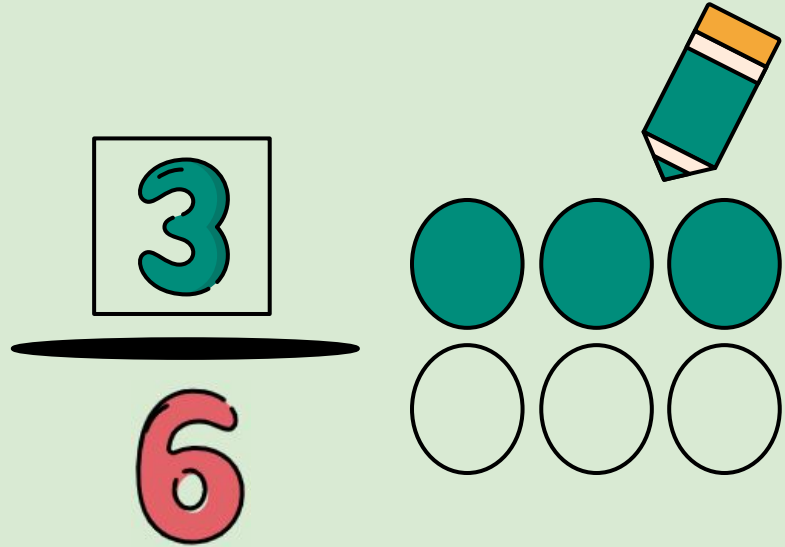


# 3rd Grade Fractions

Ms. Elizabeth and Ms. Kali





# Learning Goal!

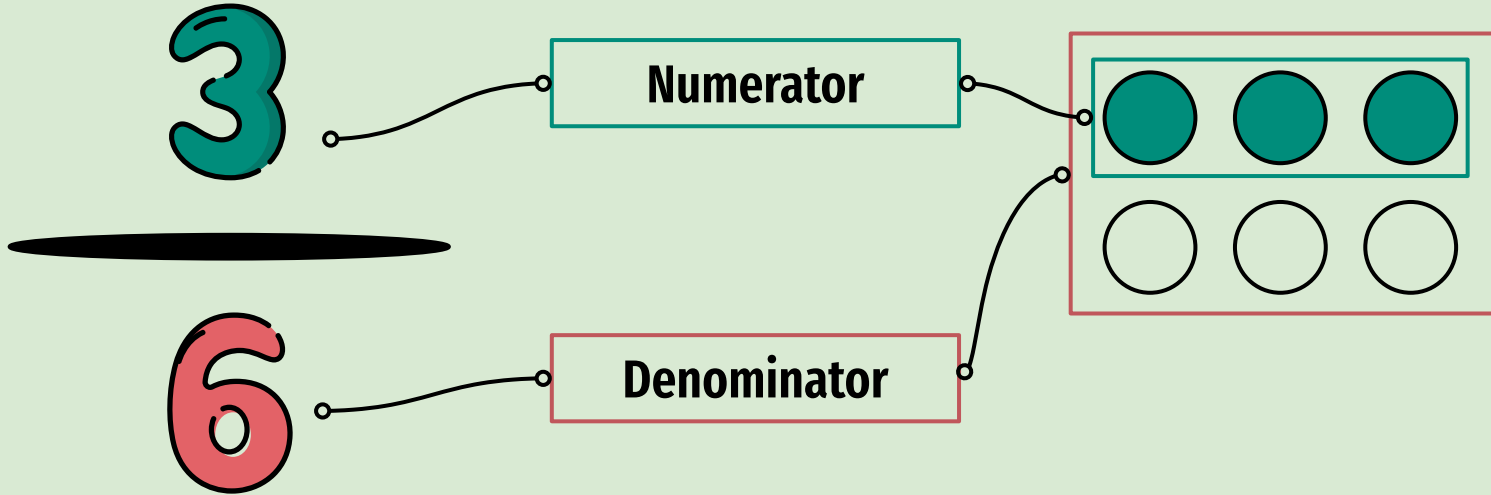


I can recognize and create equivalent fractions using number lines and other models such as an equivalency chart!



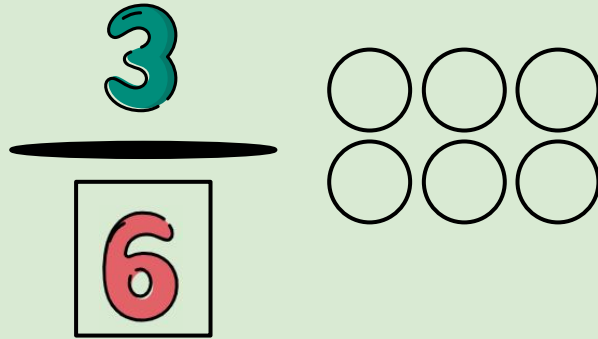


# Numerator and Denominator

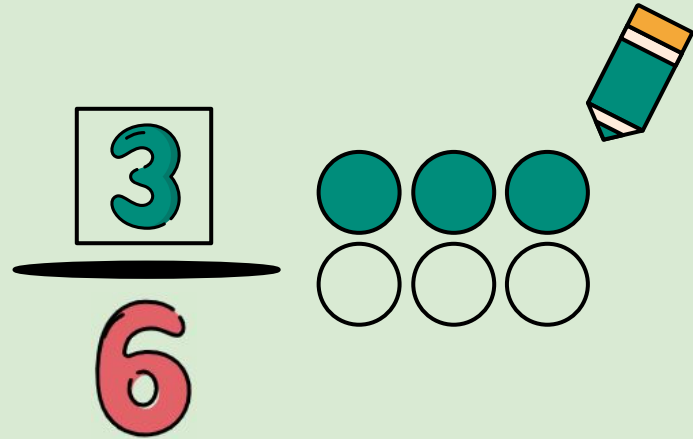




# Numerator and Denominator



**Denominator:**  
How many groups are there?



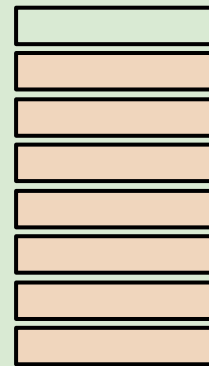
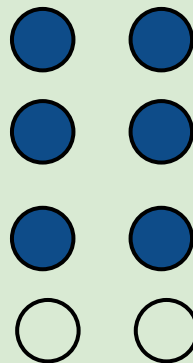
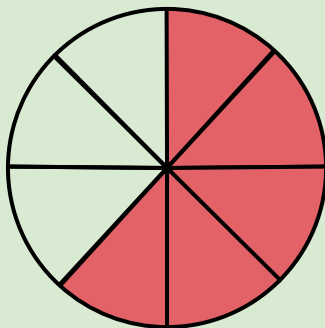
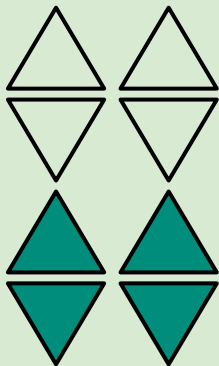
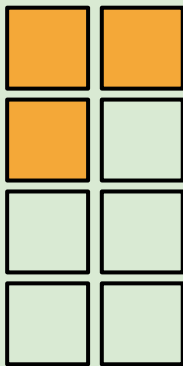
**Numerator:**  
How many groups are colored in?



# Fraction Models



What fractions do these models represent?

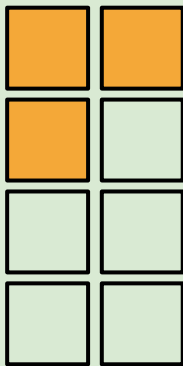




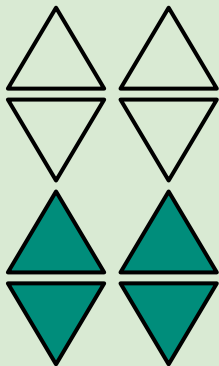
# Fraction Models



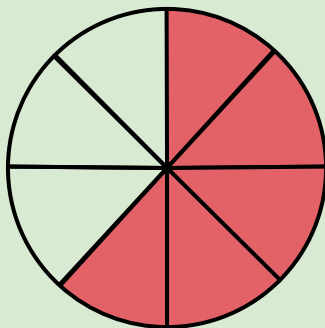
What fractions do these models represent?



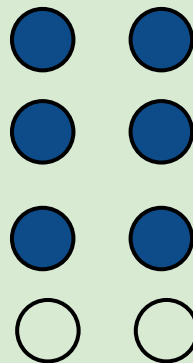
$\frac{3}{8}$



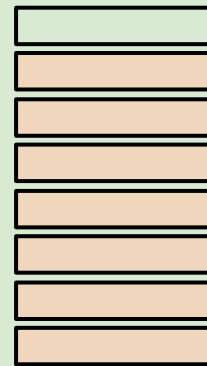
$\frac{4}{8}$



$\frac{5}{8}$



$\frac{6}{8}$



$\frac{7}{8}$



# Equivalent Fractions



What does  
equivalent  
mean??



WHAAAT?!



# Equivalent Fractions



Equivalent means ...



The Same As ...



Equal To ...





# Equivalent Fractions

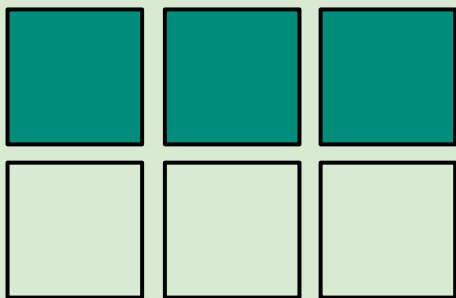


If I have 3 chocolate bars and you have an equivalent number of chocolate bars, how many chocolate bars do you have?





# Equivalent Fraction Models



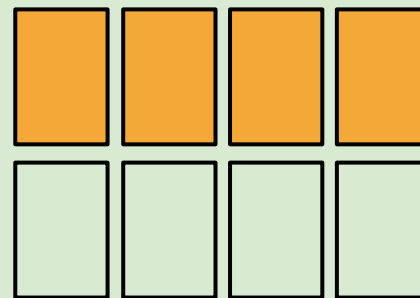
$3/6$

=



$1/2$

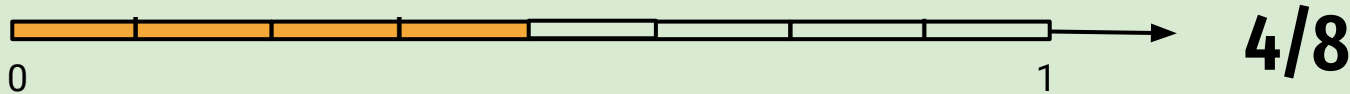
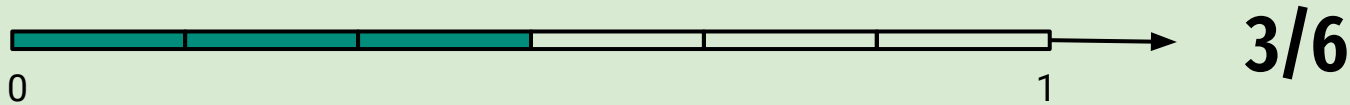
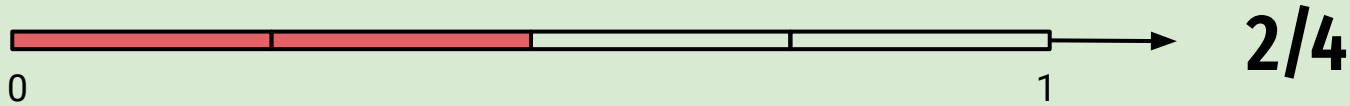
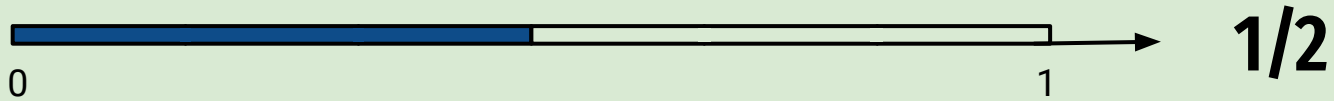
=



$4/8$



# Equivalent Fractions on a Number Line







# How To Use Equivalency Tables



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

1/4	1/4	1/4	1/4		
1/5	1/5	1/5	1/5	1/5	
1/6	1/6	1/6	1/6	1/6	1/6



# How To Use Equivalency Tables



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

1/4	1/4	1/4	1/4		
1/5	1/5	1/5	1/5	1/5	
1/6	1/6	1/6	1/6	1/6	1/6

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



# Practice Time: Equivalent Fractions Worksheet



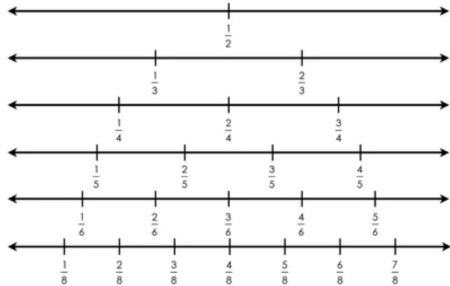
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Equivalent Fractions: Number Lines Activity

If two fractions are equivalent, it means that they are equal, or they show the same amount.

Use these fraction number lines to help you work out the equivalent fractions.



Use the fraction lines to work out these equivalent fractions.

- 1)  $\frac{1}{2} = \frac{\quad}{6}$     2)  $\frac{1}{4} = \frac{\quad}{8}$     3)  $\frac{1}{3} = \frac{\quad}{6}$     4)  $\frac{1}{4} = \frac{\quad}{8}$   
5)  $\frac{1}{1} = \frac{4}{8}$     6)  $\frac{1}{1} = \frac{2}{6}$     7)  $\frac{2}{2} = \frac{1}{2}$     8)  $\frac{2}{2} = \frac{4}{6}$   
9)  $\frac{3}{4} = \frac{6}{8}$     10)  $\frac{6}{8} = \frac{3}{4}$     11)  $\frac{2}{8} = \frac{1}{4}$     12)  $\frac{3}{4} = \frac{6}{8}$   
13)  $\frac{2}{6} = \frac{2}{3}$     14)  $\frac{2}{6} = \frac{2}{4}$     15)  $\frac{4}{6} = \frac{4}{6}$     16)  $\frac{6}{6} = \frac{2}{3}$







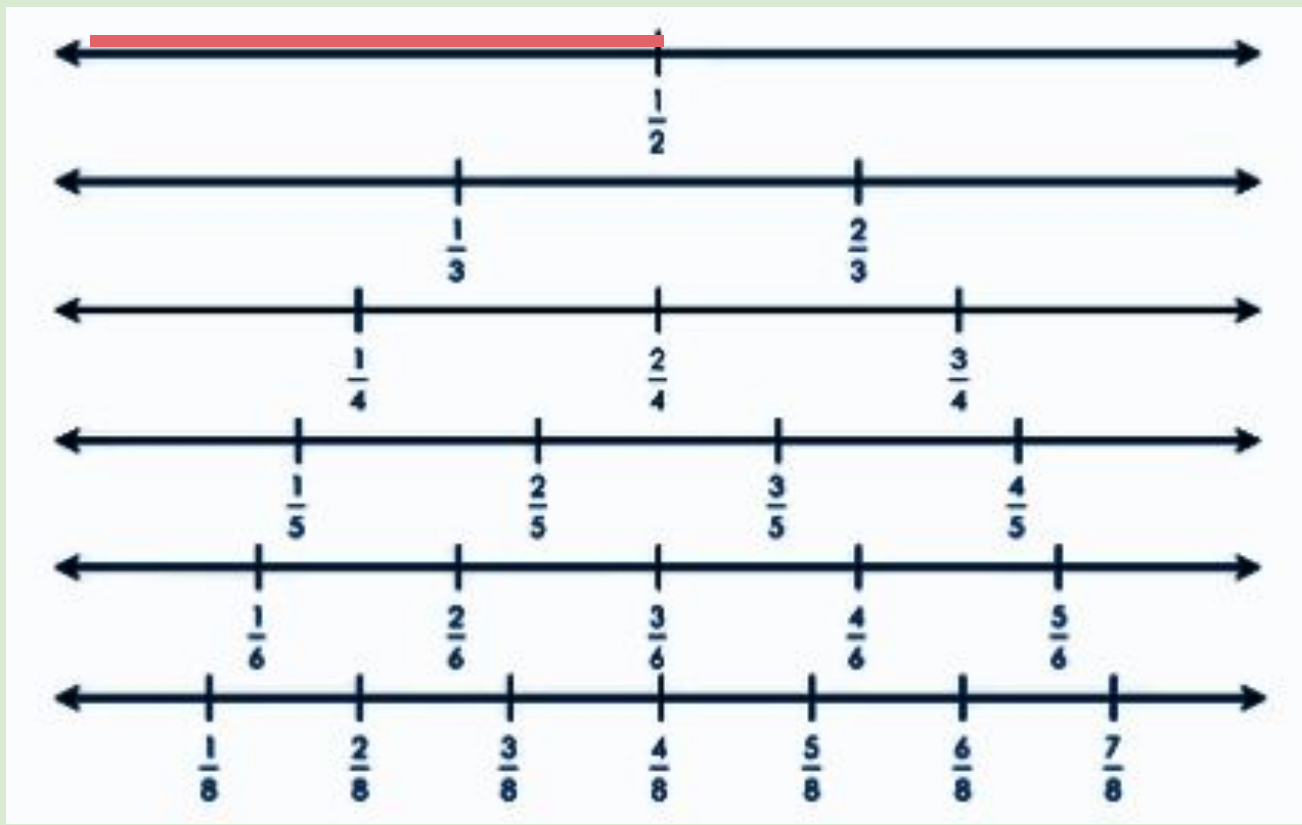




# Equivalences Number Line: Problem #1



$$\frac{1}{2} = \frac{?}{6}$$



# Equivalence Number Line: Problem #1

$$\frac{1}{2} = \frac{?}{6}$$

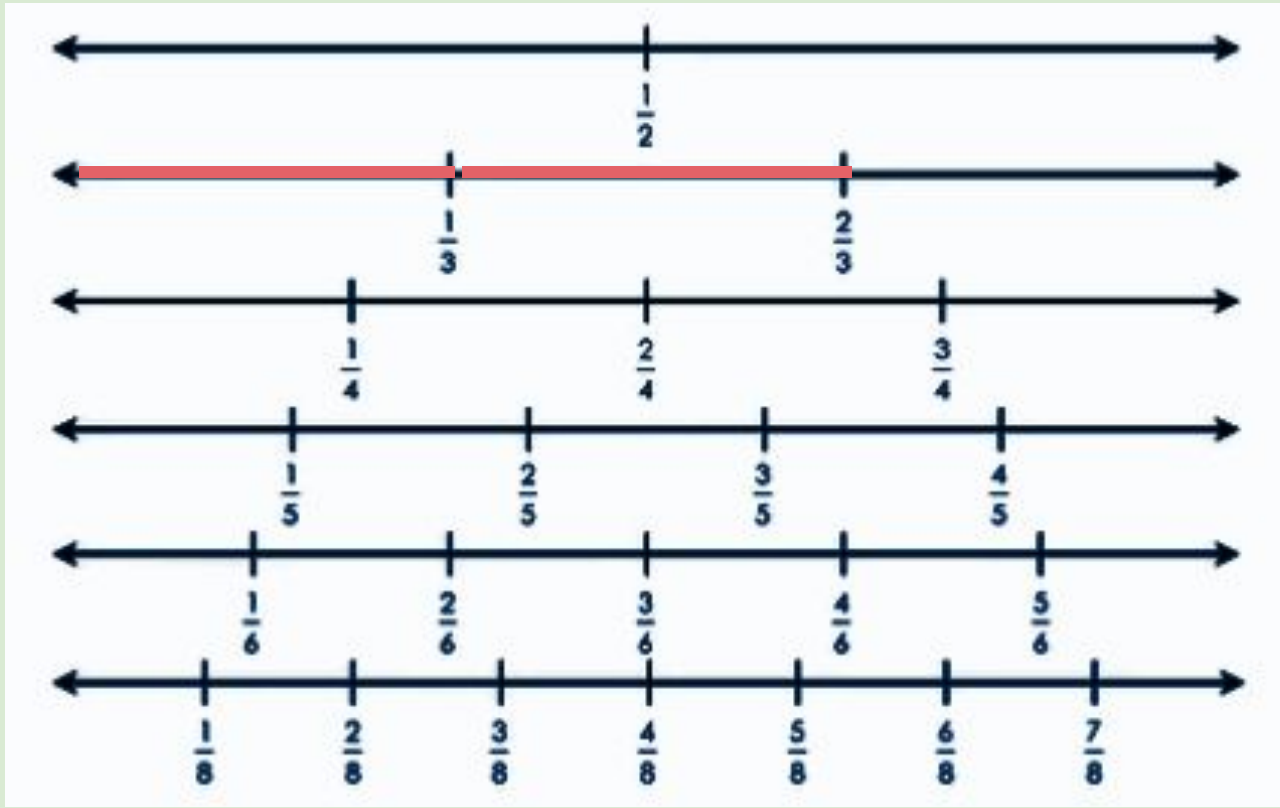




# Equivalence Number Line: Problem #13



$$4/? = 2/3$$

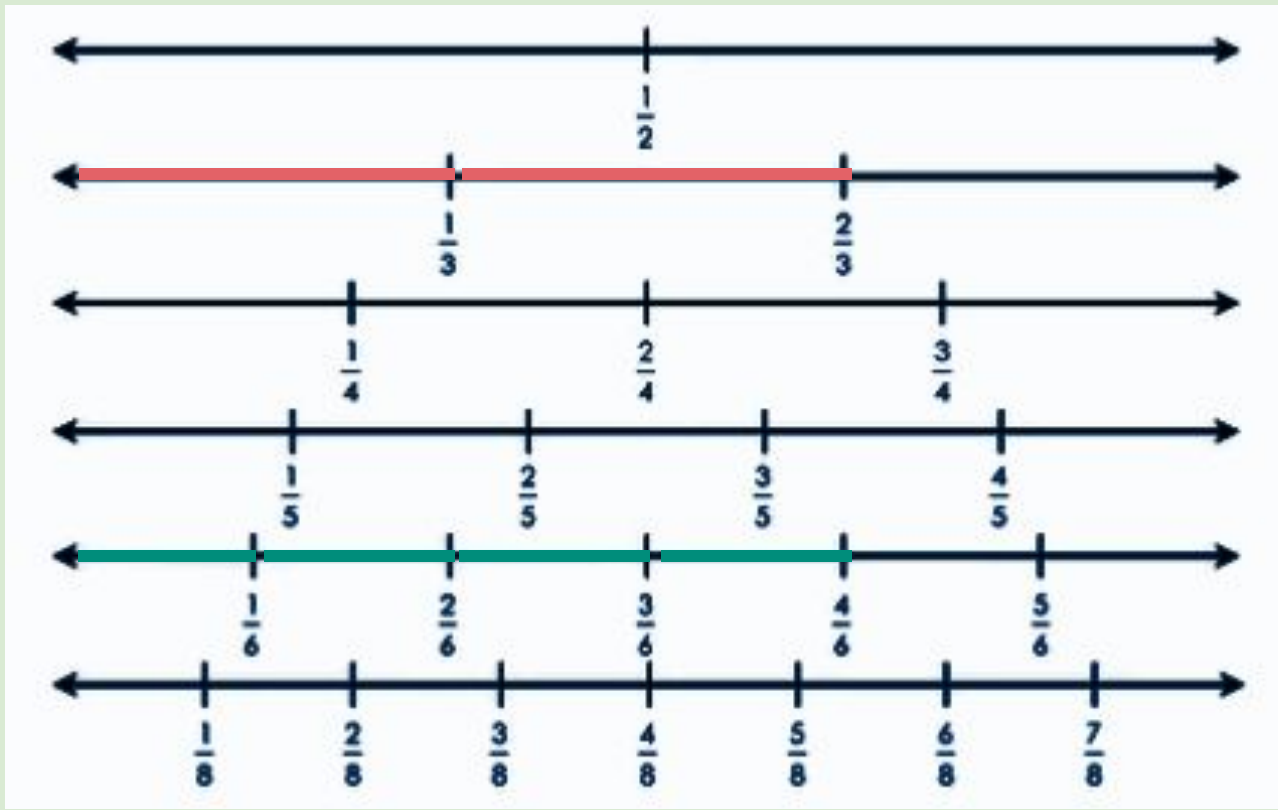




# Equivalence Number Line: Problem #13



$$4 / ? = 2 / 3$$



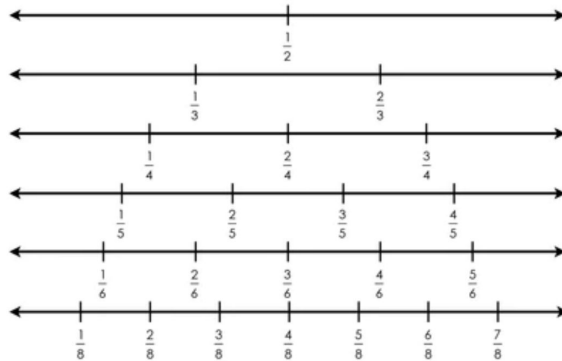
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Equivalent Fractions: Number Lines Activity

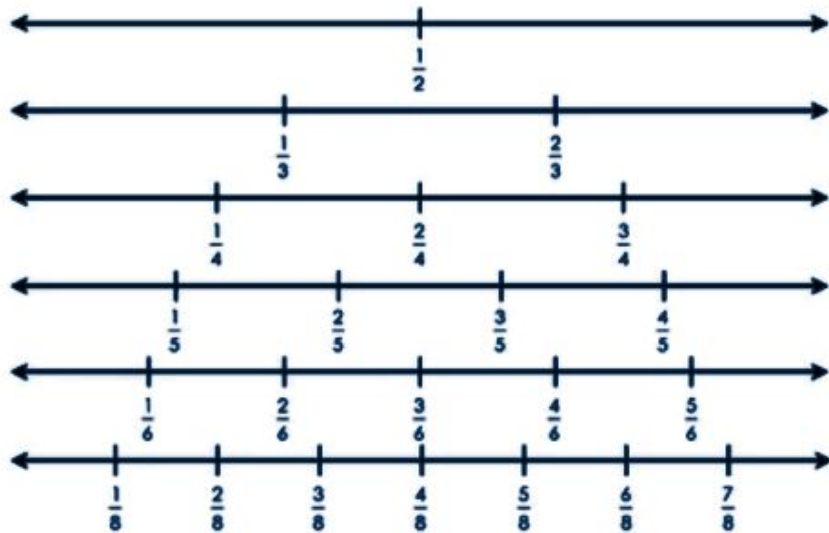
If two fractions are equivalent, it means that they are equal, or they show the same amount.

Use these fraction number lines to help you work out the equivalent fractions.



Use the fraction lines to work out these equivalent fractions.

- 1)  $\frac{1}{2} = \frac{\quad}{6}$     2)  $\frac{1}{4} = \frac{\quad}{8}$     3)  $\frac{1}{3} = \frac{\quad}{6}$     4)  $\frac{1}{4} = \frac{\quad}{8}$   
5)  $\frac{1}{4} = \frac{4}{8}$     6)  $\frac{1}{4} = \frac{2}{6}$     7)  $\frac{2}{4} = \frac{1}{2}$     8)  $\frac{2}{4} = \frac{4}{6}$   
9)  $\frac{3}{4} = \frac{6}{8}$     10)  $\frac{6}{8} = \frac{3}{4}$     11)  $\frac{2}{8} = \frac{1}{4}$     12)  $\frac{3}{4} = \frac{6}{8}$   
13)  $\frac{6}{8} = \frac{2}{3}$     14)  $\frac{6}{8} = \frac{2}{4}$     15)  $\frac{4}{6} = \frac{2}{3}$     16)  $\frac{6}{8} = \frac{2}{3}$



Use the fraction lines to work out these equivalent fractions.

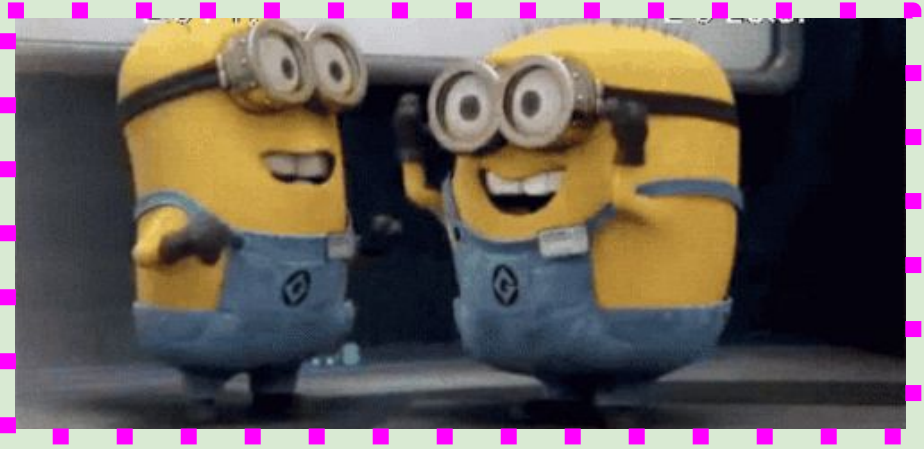
1)  $\frac{1}{2} = \frac{3}{6}$     2)  $\frac{1}{4} = \frac{2}{8}$     3)  $\frac{1}{3} = \frac{2}{6}$     4)  $\frac{1}{4} = \frac{2}{8}$

5)  $\frac{1}{2} = \frac{4}{8}$     6)  $\frac{1}{3} = \frac{2}{6}$     7)  $\frac{2}{4} = \frac{1}{2}$     8)  $\frac{2}{3} = \frac{4}{6}$

9)  $\frac{3}{4} = \frac{6}{8}$     10)  $\frac{6}{8} = \frac{3}{4}$     11)  $\frac{2}{8} = \frac{1}{4}$     12)  $\frac{3}{4} = \frac{6}{8}$

13)  $\frac{4}{6} = \frac{2}{3}$     14)  $\frac{3}{6} = \frac{2}{4}$     15)  $\frac{2}{3} = \frac{4}{6}$     16)  $\frac{4}{6} = \frac{2}{3}$

# JEOPARDY!





# Citations

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[https://lh4.googleusercontent.com/proxy/3OJukPvoel6efv4BNo25Wm998YyJQfvSplo3Sg2QPY55\\_42VPz6ZZFBcovE30x7jxnO8-z3Vt4EXTrD0Vgs2YXZf0qc3YFIfyxF5mS5B67CNJDE=w1920-h853](https://lh4.googleusercontent.com/proxy/3OJukPvoel6efv4BNo25Wm998YyJQfvSplo3Sg2QPY55_42VPz6ZZFBcovE30x7jxnO8-z3Vt4EXTrD0Vgs2YXZf0qc3YFIfyxF5mS5B67CNJDE=w1920-h853).

*SlidesGo*, <https://slidesgo.com/>.