Third Grade

Answer Key
Unit 5: Fractions

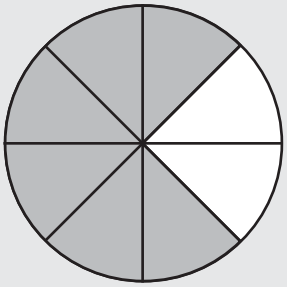
See PDF bookmarks
for navigation

Name _____

Problem of the Day

Lesson 1

Write the fraction of the shape that is shaded.



Answer: $\frac{6}{8}$

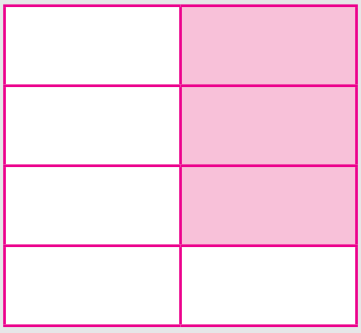
Lesson 2

What is the unit fraction of the figure below?

Answer: $\frac{5}{8}$

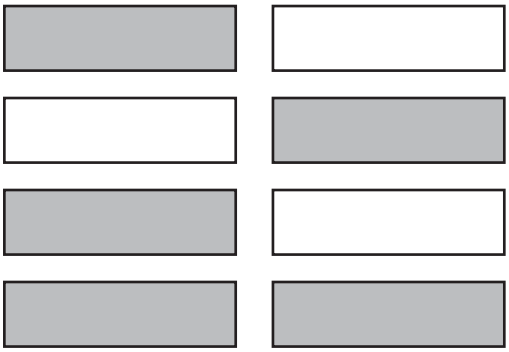
Lesson 3

Draw a figure to represent three-eighths shaded.



Lesson 4

What is the shaded fraction of the set below?

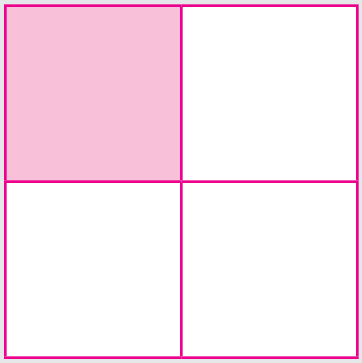


Answer: $\frac{5}{8}$

Lesson 5

Model the fraction below:

one-fourth of a set is shaded



Name _____

Problem of the Day

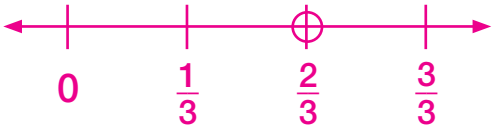
Lesson 6

Model the fraction on the number line below.

$\frac{7}{8}$

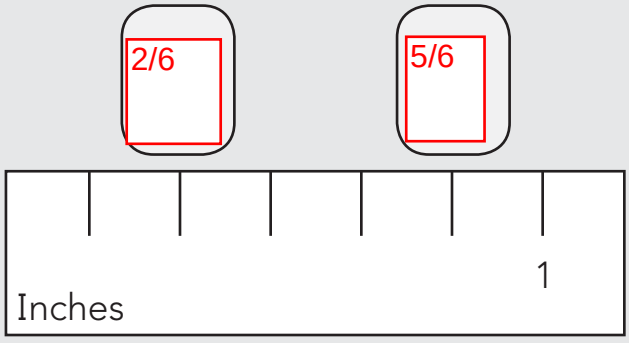
Lesson 7

Tanis wanted to represent $\frac{2}{3}$ on a number line. Draw a number line to represent Tanis' fraction.



Lesson 8

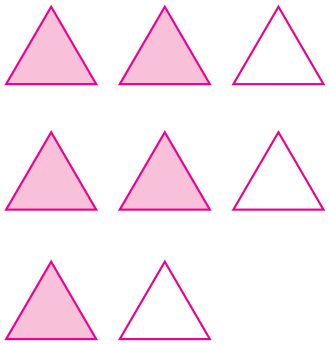
Fill in the missing fractions on the ruler.



Lesson 9

Draw the following set on your recording sheet.

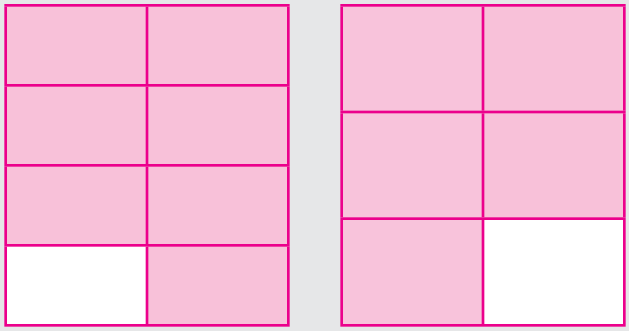
8 triangles, $\frac{5}{8}$ are shaded.



Lesson 10

Complete the comparison below by drawing a model to compare the fractions.

$\frac{7}{8} > \frac{5}{6}$



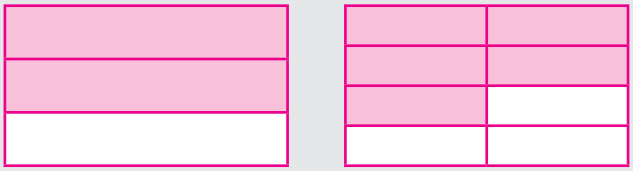
Name _____

Problem of the Day

Lesson 11

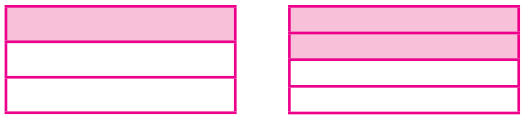
Complete the comparison of the fractions below by drawing a model to compare.

$\frac{2}{3}$ > $\frac{5}{8}$



Lesson 12

Tiffany has painted $\frac{1}{3}$ of her patio. Darren, who has the same size patio, has painted $\frac{2}{4}$ of his patio. Who has painted more of their patio? Draw a model to solve.



Answer: Darren

Lesson 13

Brielle and Wendi planted two gardens of equal size. The fractions below represent how much of each garden they planted. Who has planted more of their garden? Use <, >, or = to write a comparison using the fraction amount planted.

Brielle's Garden

Wendi's Garden

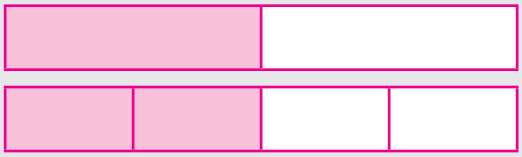
Wendi's Garden > Brielle's Garden

Answer: _____

Lesson 14

Find a fraction that is equivalent to the one below. Use fraction bars or draw a model to find the answer.

$\frac{1}{2}$ = —



Answer: $\frac{2}{4}$

Lesson 15

Are the two points on the number line equivalent? Why or why not? Justify your answer.

Sample answer: No. $\frac{1}{3}$ is larger than $\frac{1}{4}$ on the number line.

Name _____

Problem of the Day

Lesson 16

Draw two number lines to prove the statement below.

$$\frac{2}{3} = \frac{5}{8}$$

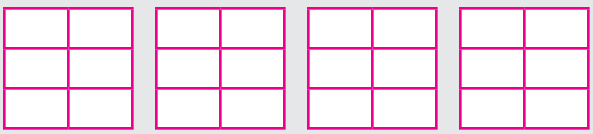
Lesson 17

Write the sum of unit fraction $\frac{4}{6}$.

Answer: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{4}{6}$

Lesson 18

If 6 friends share 4 sandwiches, what fraction will each person receive? Draw a model and solve.



Answer: $\frac{1}{6}$

Lesson 19

Terry has 6 red straws, 4 purple straws, and 2 pink straws. What fraction of Terry's straws are purple?

A. $\frac{4}{10}$

B. $\frac{2}{10}$

C. $\frac{4}{12}$

D. $\frac{6}{12}$

Lesson 20

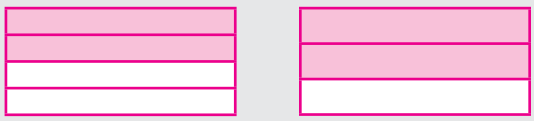
Which of the following statements is true? Model draw and solve.

A. $\frac{1}{4} > \frac{4}{6}$

B. $\frac{1}{6} < \frac{1}{8}$

C. $\frac{5}{8} > \frac{4}{6}$

D. $\frac{2}{4} < \frac{2}{3}$

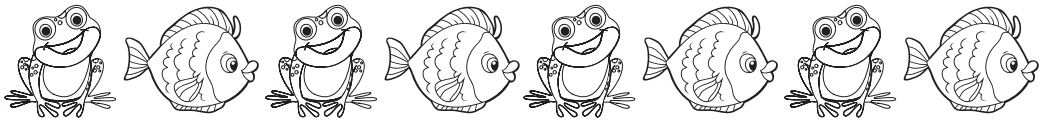


Name _____

Pre-Assessment

Read each problem below and solve.

1. Drake has frogs and fish as pets. What fraction of his pets are fish?



Answer: $\frac{4}{8}$

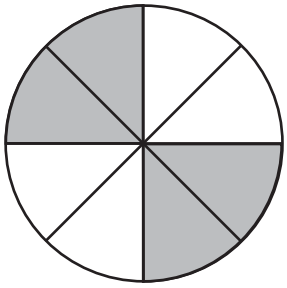
2. Look at the spinner below. What fraction is shaded?

A. $\frac{3}{4}$

B. $\frac{4}{6}$

C. $\frac{4}{8}$

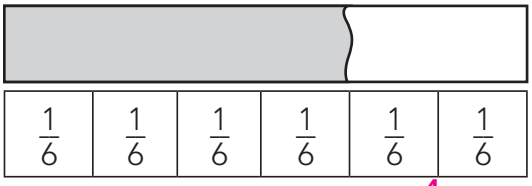
D. $\frac{3}{8}$



3. Compare the fractions below. Determine if they are <, >, or =.

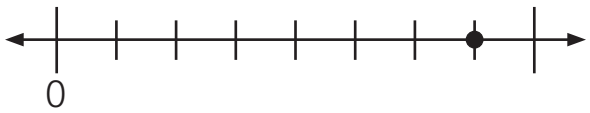
$\frac{4}{6}$ (=) $\frac{2}{3}$

4. Weston is painting a wall in his living room. What part of the wall has he painted?



Answer: $\frac{4}{6}$

5. What fraction is represented by the dot on the number line below?



Answer: $\frac{7}{8}$

Name _____

Fraction Vocabulary

Answers will vary.

FRACTION

A number that names a _____piece_____ of a _____whole_____ or _____part_____ of a _____whole_____

$\frac{2}{4}$

fraction of a whole

$\frac{2}{3}$

fraction of a group

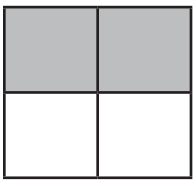
NUMERATOR

The number _____above_____ the fraction line. Tells _____how many_____ _____parts_____ are being counted or shaded.

2 ⟵ parts that are shaded or counted

DENOMINATOR

The number _____below_____ the fraction line. Tells _____how many_____ _____total_____ parts are in the whole or group.



_____ ⟵ equal parts in the whole

4

Name _____

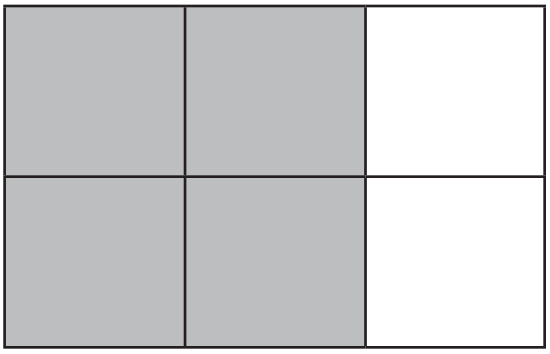
Fractions of a Whole

A whole represents one pictorial image (a region).

Write the unit fraction that represents each part of the whole.

$\frac{1}{6}$

How many one-sixths parts are shaded?



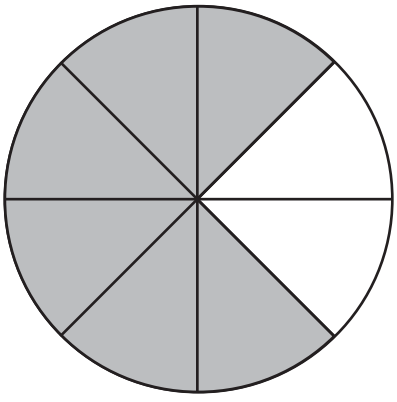
4

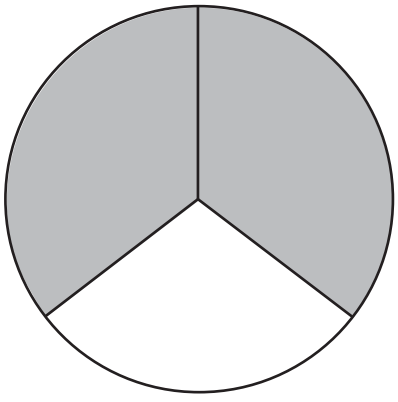
What fraction of the whole is shaded?

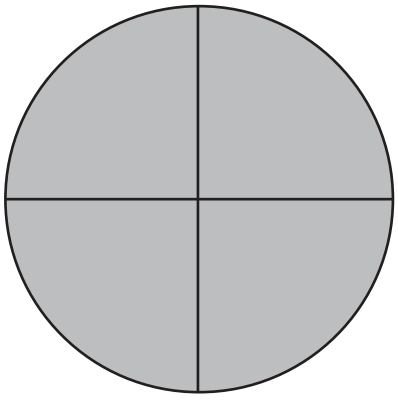
$\frac{4}{6}$

What fraction names all the parts in the whole?

$\frac{6}{6}$







Unit Fraction: $\frac{1}{8}$ Unit Fraction: $\frac{1}{3}$ Unit Fraction: $\frac{1}{4}$

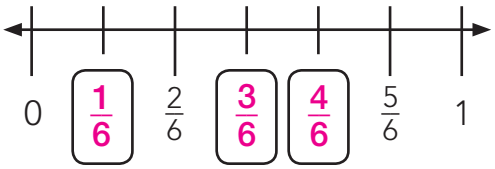
Fraction Shaded: $\frac{6}{8}$ Fraction Shaded: $\frac{2}{3}$ Fraction Shaded: $\frac{4}{4}$

Name _____

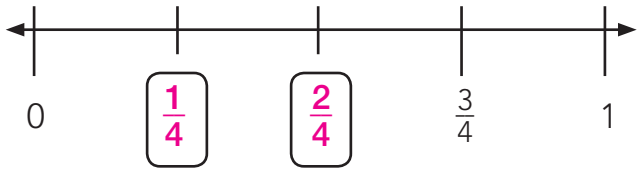
Missing Fractions

Write the missing fractions for the points shown below.

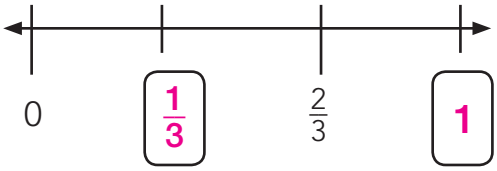
1.



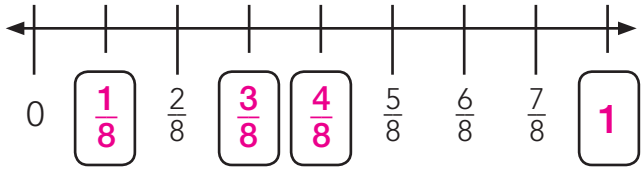
2.



3.

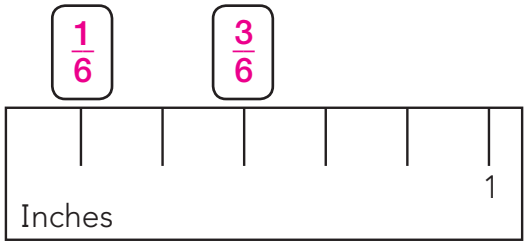


4.

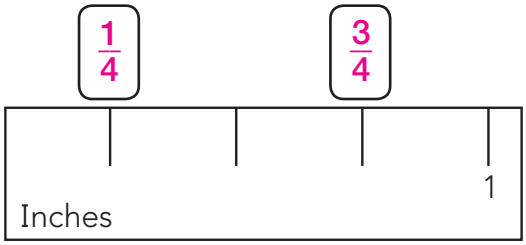


Label the missing points on the number lines below. The left edge of the ruler is your starting point, 0.

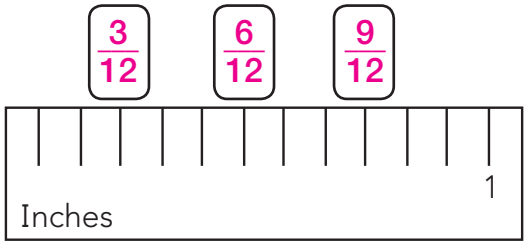
5.



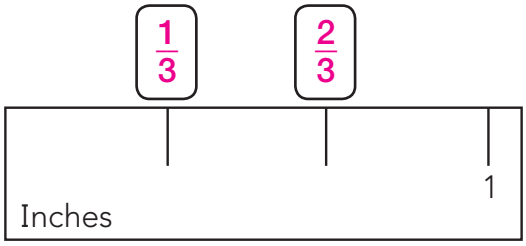
6.



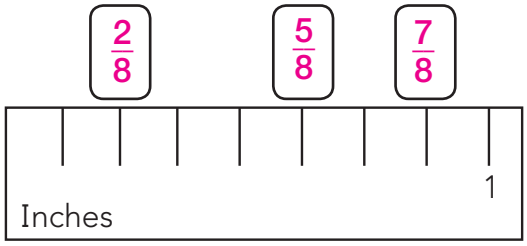
7.



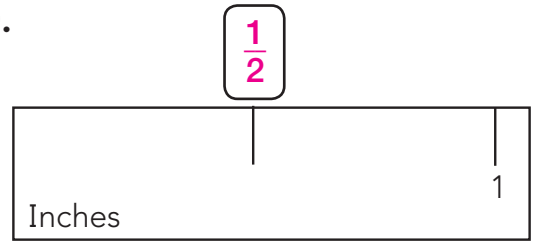
8.



9.



10.

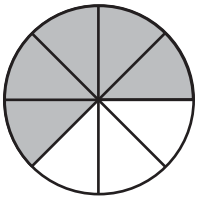


Name _____

Fractions Quiz

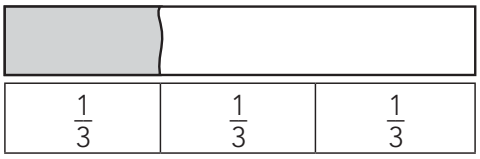
Solve the problems below. Make sure to show your work and record your answers.

1. What fraction of the shape is shaded?



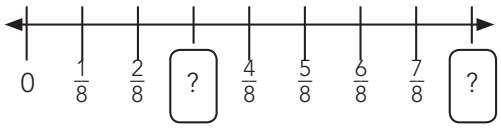
Answer: $\frac{5}{8}$

2. What fraction of the wood is painted?



Answer: $\frac{1}{3}$

3. Which are the missing fractions on the number line below?



A. $\frac{3}{8}, \frac{9}{8}$

B. $\frac{2}{8}, \frac{8}{8}$

C. $\frac{3}{8}, \frac{8}{8}$

4. A farmer gave his horses $\frac{1}{4}$ bale of hay on Friday, Saturday, and Sunday. Which equation below represents how much hay the horses received?

A. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{12}$

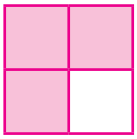
B. $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \frac{3}{9}$

C. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$

D. $\frac{1}{4} + \frac{2}{4} + \frac{3}{4} = \frac{6}{4}$

5. Draw a shape and shade $\frac{3}{4}$ of the shape.

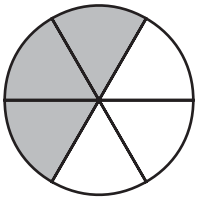
Answer: _____



6. What fraction is located at point A on the number line?

Answer: $\frac{2}{3}$

7. What is the unit fraction below?



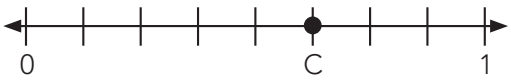
Answer: $\frac{1}{6}$

8. Dean wants to share his pizza with 5 friends. What fraction of the pizza should each person get?

A. $\frac{1}{4}$ **B.** $\frac{1}{5}$

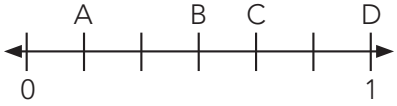
C. $\frac{1}{6}$ **D.** $\frac{2}{6}$

9. What fraction best represents point C on the number line below?



Answer: $\frac{5}{8}$

10. What point represents $\frac{3}{6}$ on the number line below?



A. Point A **B.** Point B

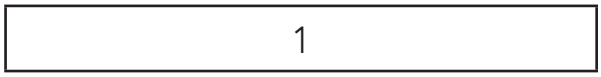
C. Point C **D.** Point D

Name _____

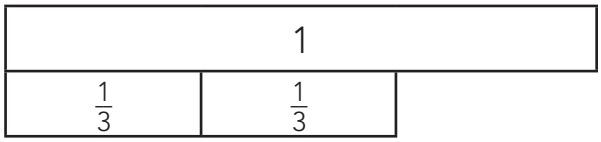
Comparing Fractions with the Same Denominator

1. Lay out a one-whole bar.

$\frac{2}{3} > \frac{1}{3}$

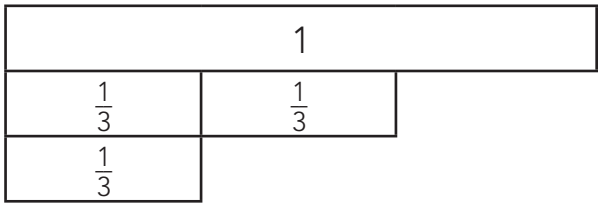


2. Lay out the bars for the first fraction under the one-whole.



3. Lay out the fraction that is being compared. Compare the two fractions and determine which is longer. Fill in your comparison.

$\frac{2}{3} > \frac{1}{3}$



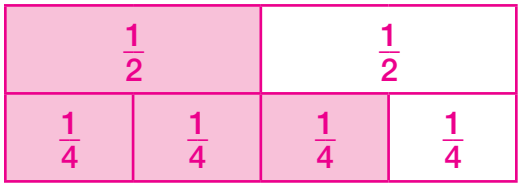
MODEL DRAWING

Compare the fractions below.

$\frac{3}{4} > \frac{1}{4}$

1. Draw a large rectangle and split it in half horizontally.

2. Label the two rectangles with the compared fractions.



3. Split the rectangles into the number of equal pieces needed to represent the fraction.

4. Shade in the amount determined by the numerator.

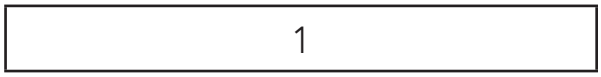
5. Compare the fractions and determine which is greater.

Name _____

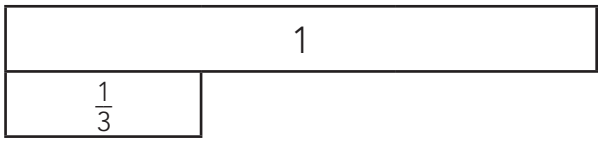
Comparing Fractions with Different Denominators

1. Lay out a one-whole bar.

$\frac{1}{3} > \frac{2}{8}$

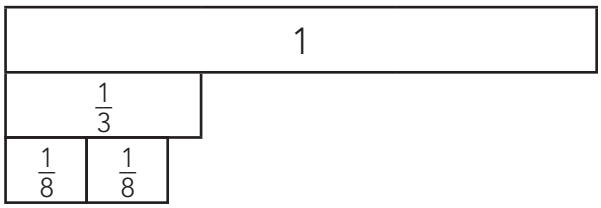


2. Lay out the bars for the first fraction under the one-whole.



3. Lay out the fraction that is being compared. Compare the two fractions and determine which is longer. Fill in your comparison.

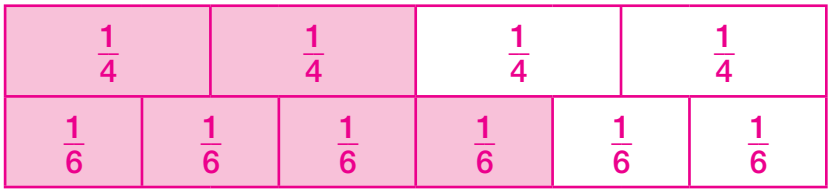
$\frac{1}{3} > \frac{2}{8}$



MODEL DRAWING

Compare the fractions below.

$\frac{2}{4} < \frac{4}{6}$



1. Draw a large rectangle and split it in half horizontally.

2. Label the two rectangles with the compared fractions.

3. Split the rectangles into the number of equal pieces needed to represent the fraction.

4. Shade in the amount determined by the numerator.

5. Compare the fractions and determine which is greater.

Name _____

Comparing Fractions Quiz

Compare the fractions below. Write in a <, >, or = to complete the comparison.

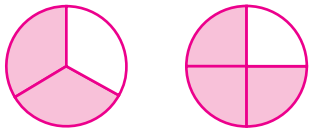
1. $\frac{2}{4}$ < $\frac{4}{6}$

2. $\frac{1}{4}$ = $\frac{2}{8}$

3. $\frac{1}{3}$ < $\frac{3}{6}$

4. $\frac{7}{8}$ > $\frac{3}{4}$

5. Molly has $\frac{1}{3}$ of her pizza remaining and Kendall has $\frac{1}{4}$ of her pizza left. Who has more pizza left? Draw a model and solve.



Answer: Molly

6. Nick and Abigail both painted these fences. Who painted less of their fence? Use <, >, or = to write a comparison using the fraction amount painted.

Nick's Fence

Abigail's Fence

Nick's Fence > Abigail's Fence

Answer: _____

7. Which of the following statements is true? Model draw and solve.

A. $\frac{1}{3} > \frac{3}{6}$

B. $\frac{2}{4} < \frac{1}{3}$

C. $\frac{4}{6} > \frac{7}{8}$

D. $\frac{5}{8} < \frac{2}{3}$

8. Mountain Peak High School has 4 girls and 4 boys on the track team. The volleyball team has 6 girls and 2 boys. Which correctly compares the fraction of girls on the two teams?

A. $\frac{4}{4} > \frac{2}{6}$

B. $\frac{2}{4} < \frac{6}{8}$

C. $\frac{4}{8} > \frac{2}{6}$

D. $\frac{4}{8} < \frac{6}{8}$

9. Shelby said that $\frac{1}{4}$ is greater than $\frac{1}{3}$ because 4 is greater than 3. Is she correct? Explain why or why not?

Explain: Sample answer: No. $\frac{1}{3}$ is greater than $\frac{1}{4}$ because there are 3 pieces in the whole.

10. Monica worked on homework for $\frac{2}{4}$ of an hour. Then she played outside for $\frac{1}{2}$ of an hour. Did Monica spend more, less, or an equal amount of time doing homework as playing outside? Model, solve, and explain your answer.

Sample answer: Monica spent equal time doing homework and playing outside when you look at the model.

Explain: _____

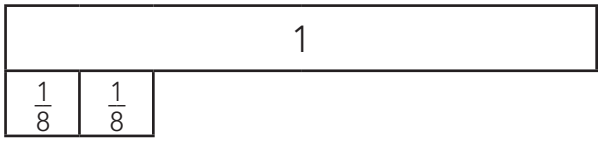
Name _____

Equivalent Fractions

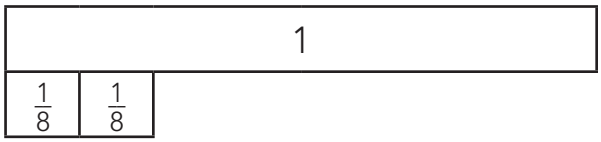
Equivalent fractions are fractions that name the **equivalent** part of a **fraction**.

Find an equivalent fraction to $\frac{2}{8}$.

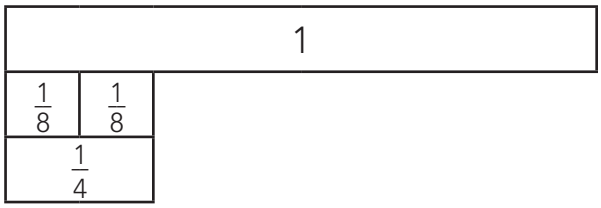
1. Start with a one-whole bar and lay two one-eighth bars below it (lined up at the edge).



2. Try moving fraction pieces to find what is equal.



3. Count the number of $\frac{1}{4}$ bars that equal $\frac{2}{8}$.



Write the equivalent fraction.

$$\frac{2}{8} = \frac{\mathbf{1}}{\mathbf{4}}$$

SOLVE THE PROBLEM

Johnny has $\frac{2}{3}$ of his pizza left over. Find an equivalent fraction to the amount of pizza that Johnny has remaining. Use fraction tiles to model and solve (draw the pictorial representation of the fraction tiles on your paper).

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

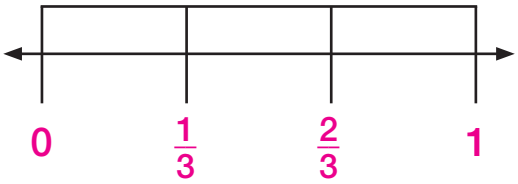
Name _____

Equivalent Fractions on a Number Line

Bella wants to find a fraction that is equivalent to $\frac{1}{3}$. Draw a number line to represent $\frac{1}{3}$ and another to model an equivalent fraction.

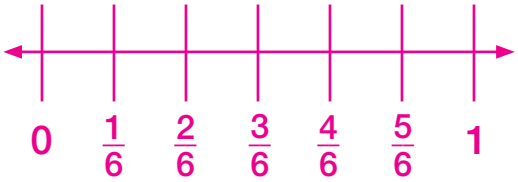
FIRST

Draw a number line to represent the first fraction. Make sure to label 0 and 1, as well as all parts of the whole.



SECOND

Draw a second number line to find an equivalent fraction. The distances from 0 to 1 on both number lines must be equal. The number lines should be the same length and lined up evenly.



THIRD

Determine the equivalent fraction by finding a point on the second number line that is at the same part of the whole.

ANSWER

$\frac{1}{3} = \frac{2}{6}$

JUSTIFY

How do you know you are correct?

Sample answer: Both $\frac{1}{3}$ and $\frac{2}{6}$ are in the same spot on the number line.

Name _____

Answers will vary.

Equivalent Fractions Quiz

Find the equivalent fractions below. Draw a model to solve.

1. $\frac{2}{4} = \frac{2}{12}$

2. $\frac{2}{8} = \frac{3}{4}$

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

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

5. Which of the following fraction pairs are equivalent?

A. $\frac{1}{3}, \frac{4}{6}$

B. $\frac{2}{4}, \frac{5}{8}$

C. $\frac{3}{6}, \frac{1}{2}$

D. $\frac{7}{8}, \frac{3}{4}$

6. Which fraction is not equivalent to $\frac{1}{2}$?

A. $\frac{2}{4}$

B. $\frac{1}{3}$

C. $\frac{3}{6}$

D. $\frac{4}{8}$

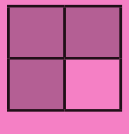
7. Which of the models below is equivalent to $\frac{6}{8}$?

A.

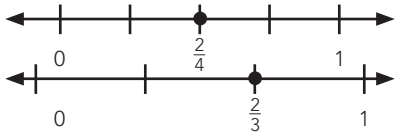
B.

C.

D.



8. The number lines below show two fractions. Are the two number lines equivalent?



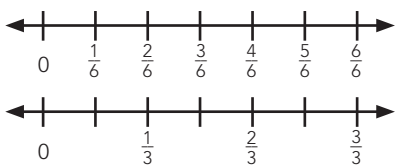
A. Yes, because both number lines represent the same whole.

B. No, because there are two different wholes.

C. Yes, because each number line correctly represents the fractions

D. No, because the fractions are not at the same point on the number lines.

9. Reed says that $\frac{4}{6}$ and $\frac{2}{3}$ are equivalent fractions. Is she correct? Explain why or why not. Use the number lines below to help.



Explain: Sample answer: Yes, both numbers are in the same place on the number line and are equivalent fractions.

10. How can you determine if two number lines are equivalent?

Explain: Sample answer: You can place one directly below the other.

Name _____

Assessment

Read each problem below and solve.

1. What fraction is represented by the point on the number line?

Answer: $\frac{1}{4}$

2. If 3 dogs have to share 2 bones, what fraction of the bones will each dog receive?

Answer: $\frac{1}{3}$

3. Matt ran $\frac{2}{3}$ of a trail. Becca ran $\frac{3}{4}$ of another trail that was the same length. Who ran a greater distance? Draw a model to compare and solve.

Answer: Becca

4. What fraction of the figure is shaded?

Answer: $\frac{4}{8}$

5. Jacob said that $\frac{3}{4}$ is between 0 and $\frac{2}{4}$ on the number line. Do you agree? Why or why not? Draw a number line and justify your answer.

Sample answer: No, the fraction $\frac{3}{4}$ comes after $\frac{2}{4}$ on the number line.

6. Robert has 3 blue crayons, 2 green crayons, and 3 brown crayons. What fraction of Robert's crayons are blue?

A. $\frac{2}{6}$
B. $\frac{6}{8}$
C. $\frac{2}{8}$
D. $\frac{3}{8}$

7. What is the unit fraction of the figure below?

Answer: $\frac{1}{6}$

8. Daniel made a pizza and cut it into eighths. He ate 4 slices. Derek also made a pizza that was the same size, cut it into fourths, and ate 3 slices. Write a fraction to represent how much pie Derek ate.

Answer: $\frac{3}{4}$

9. Which of the following statements is true? Draw a model and solve.

A. $\frac{1}{2} > \frac{3}{4}$

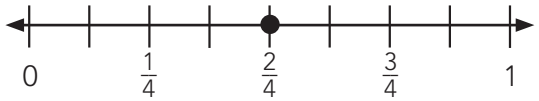
B. $\frac{2}{8} < \frac{1}{3}$

C. $\frac{4}{8} > \frac{5}{6}$

D. $\frac{2}{3} < \frac{2}{4}$

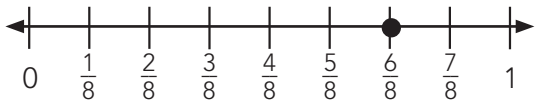
10. Which two number lines below show equivalent fractions?

A.



B.

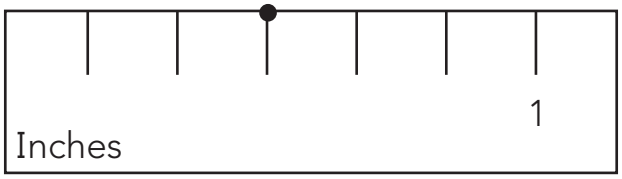
C.



D.

Answer: B. and D.

11. Examine the point on the number line below. If a paperclip is the the same length as the distance from 0 to the point, how long is the paperclip?



Answer: $\frac{3}{6}$ inches

12. Model a fraction equivalent to $\frac{1}{2}$. Then write the answer.

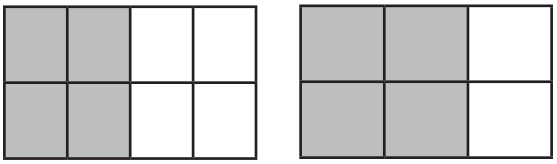
$\frac{1}{2} =$

Answer: Answers will vary, sample answer: $\frac{4}{8}$

13. Write the sum of unit fractions in $\frac{6}{8}$.

Answer: $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \frac{6}{8}$

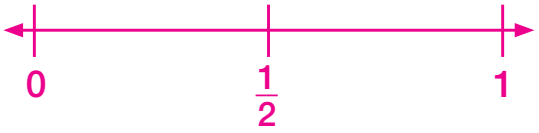
14. Compare the fractions modeled. Use <, >, or = to write a comparison.



Answer: $\frac{4}{8} < \frac{4}{6}$

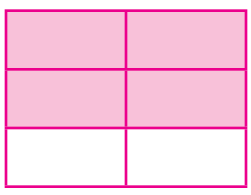
15. Draw a number line to model an equivalent fraction to the one below.

Answers will vary, sample answer:



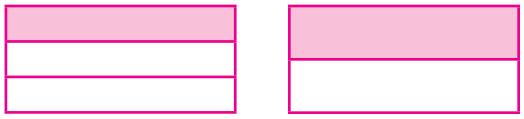
16. Justin said that he had finished painting four-sixths of his wall. Draw a model to show how much Justin has completed.

Answer:



17. Trey worked on homework for $\frac{1}{3}$ of an hour. Then he played outside for $\frac{1}{2}$ of an hour. Did Trey spend more, less, or an equal amount of time doing homework and playing outside? Model, solve, and explain your answer.

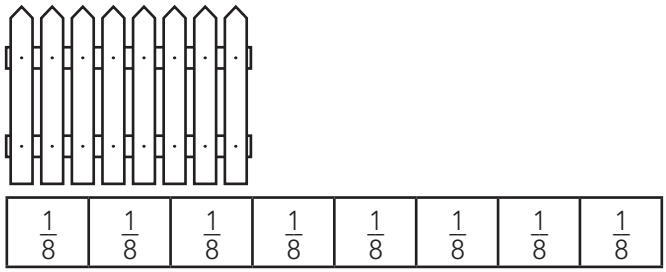
Model:



Justify:

Sample answer: Trey spent more time playing outside than doing homework.

18. DeeDee is building a fence in front of her vegetable garden. What part of the fence did DeeDee finish building?



Answer: $\frac{3}{8}$

19. Find the equivalent fraction below.

$$\frac{2}{4} = \frac{\quad}{2}$$

Answer: $\frac{1}{2}$

20. Which of the following statements is true? Draw a model and solve.

A. $\frac{4}{8} > \frac{5}{6}$

B. $\frac{2}{6} = \frac{2}{3}$

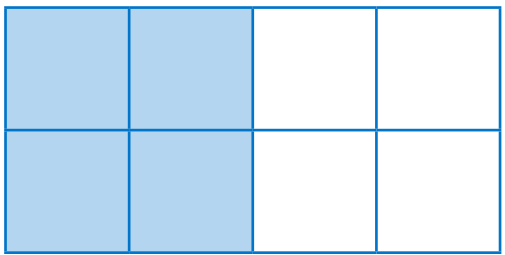
C. $\frac{5}{8} > \frac{3}{6}$

D. $\frac{1}{2} < \frac{1}{3}$

Examine the fraction model and answer the questions.

Write the unit fraction that represents each part of the whole.

$\frac{1}{8}$



What fraction of the whole is shaded?

$\frac{4}{8}$

What fraction names all the parts in the whole?

$\frac{8}{8}$

Model the fractions below by drawing the whole and dividing the model into equal pieces.

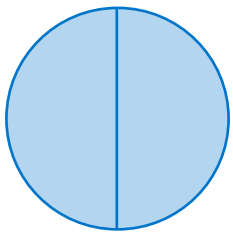
$\frac{3}{6}$ 

$\frac{2}{3}$ 

$\frac{1}{4}$ 

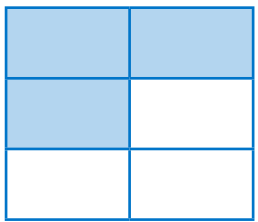
$\frac{5}{8}$ 

Find the unit fraction of each whole model and the fraction for the number of pieces shaded.



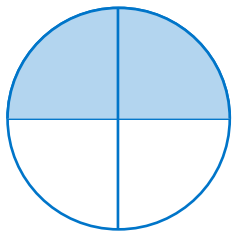
Unit Fraction: $\frac{1}{2}$

Fraction Shaded: $\frac{2}{2}$



Unit Fraction: $\frac{1}{6}$

Fraction Shaded: $\frac{3}{6}$

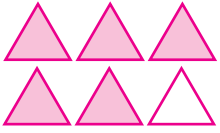


Unit Fraction: $\frac{1}{4}$

Fraction Shaded: $\frac{2}{4}$

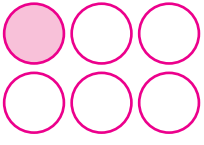
Draw a picture to describe each set below.

Six triangles, $\frac{5}{6}$ of the triangles are shaded.

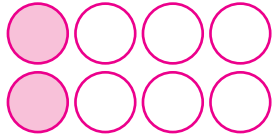


Two rectangles, one-half is not shaded.

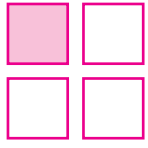
6 circles, $\frac{1}{6}$ are shaded.



8 circles, two-eighths of the circles are shaded.

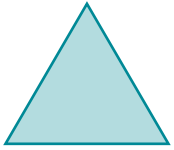


4 squares, $\frac{3}{4}$ are not shaded.



3 triangles, two-thirds are not shaded.

Write the unit fraction of each model below.

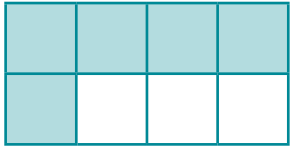


Unit Fraction: $\frac{1}{1}$

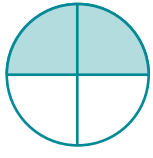
Unit Fraction: $\frac{1}{6}$

Unit Fraction: $\frac{1}{3}$

Unit Fraction: $\frac{1}{6}$



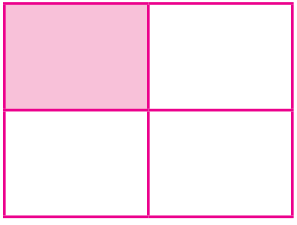
Unit Fraction: $\frac{1}{8}$



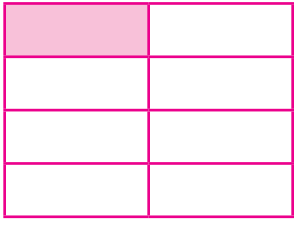
Unit Fraction: $\frac{1}{4}$

Draw a model to represent each unit fraction below.

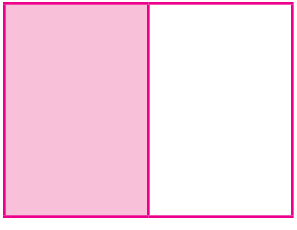
one-fourth



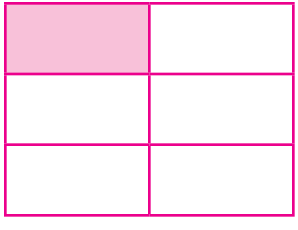
one-eighth



one-half

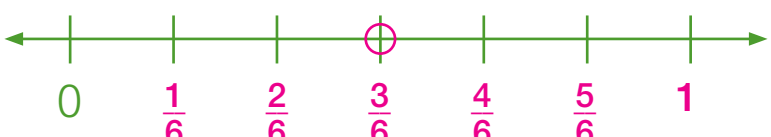


one-sixth



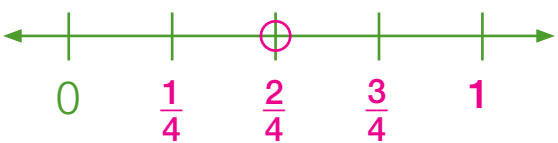
Label the number line with the fraction and circle the given fraction point.

$\frac{3}{6}$



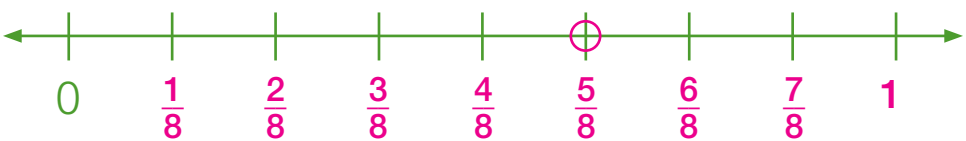
Label the number line with the fraction and circle the given fraction point.

$\frac{2}{4}$



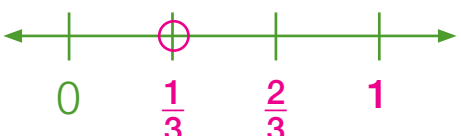
Label the number line with the fraction and circle the given fraction point.

$\frac{5}{8}$



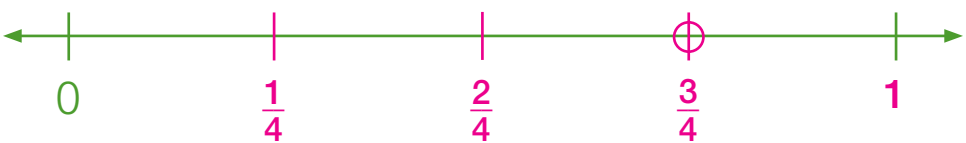
Label the number line with the fraction and circle the given fraction point.

$\frac{1}{3}$



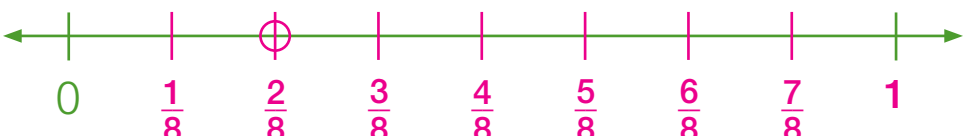
Divide the number line into the given number of parts and shade to the given point.

four equal parts; $\frac{3}{4}$



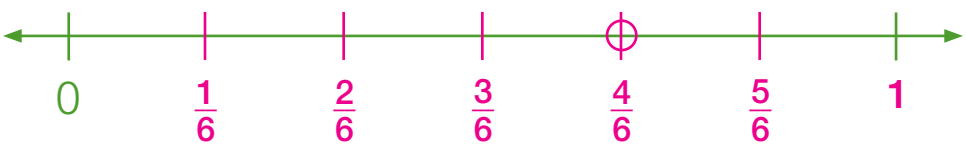
Divide the number line into the given number of parts and shade to the given point.

eight equal parts; $\frac{2}{8}$



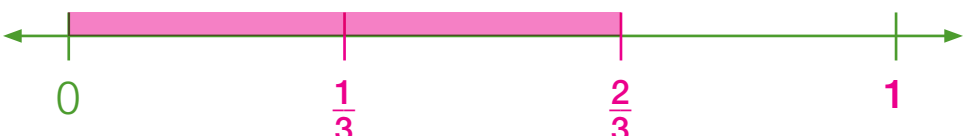
Divide the number line into the given number of parts and shade to the given point.

six equal parts; $\frac{4}{6}$



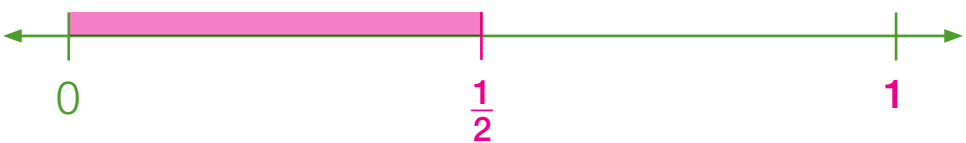
Divide the number line into the given number of parts and shade to the given point.

three equal parts; $\frac{2}{3}$



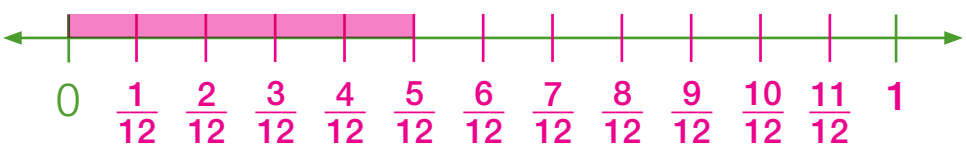
Divide the number line into the given number of parts and shade to the given point.

two equal parts; $\frac{1}{2}$

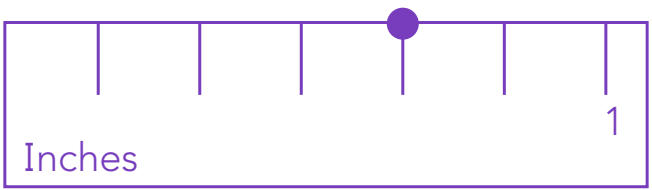


Divide the number line into the given number of parts and shade to the given point.

twelve equal parts; $\frac{5}{12}$



Examine the point on the number line below. If a nail is the same length as the distance from 0 to the point, how long is the nail? Write your answer below.



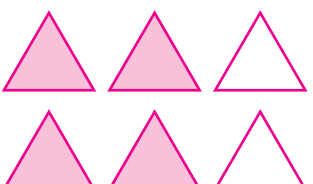
$\frac{3}{5}$ inches

Tim folded a piece of paper into 3 equal parts. If Tim wants to label each of the three parts, what is the unit fraction?

$\frac{1}{3}$

Draw the following set below.

6 triangles, $\frac{4}{6}$ are shaded.



Danielle has 4 blue ribbons,
1 green ribbon, and 3 white ribbons.
What fraction of Danielle's ribbons are white?

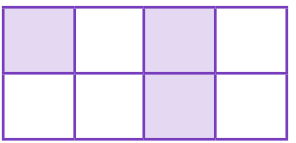
A. $\frac{1}{3}$

B. $\frac{4}{7}$

C. $\frac{3}{8}$

D. $\frac{4}{8}$

Marty made the fraction model below.
Which fraction of the model is not white?



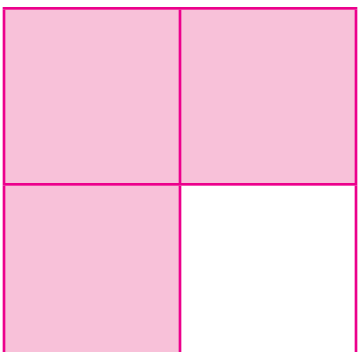
A. $\frac{5}{8}$

B. $\frac{4}{8}$

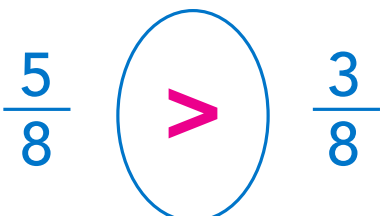
C. $\frac{3}{8}$

D. $\frac{3}{5}$

Draw a model to represent $\frac{3}{4}$.



Draw a model to represent and compare the fractions using <, =, or > signs.



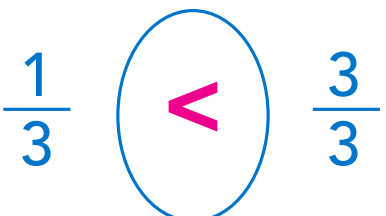
Draw a model to represent and compare the fractions using <, =, or > signs.

$\frac{4}{6}$ > $\frac{2}{6}$

Draw a model to represent and compare the fractions using <, =, or > signs.

$\frac{2}{4}$ < $\frac{3}{4}$

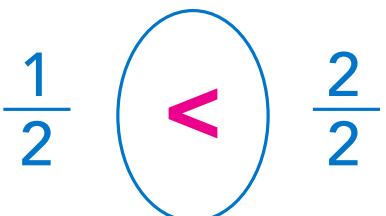
Draw a model to represent and compare the fractions using <, =, or > signs.



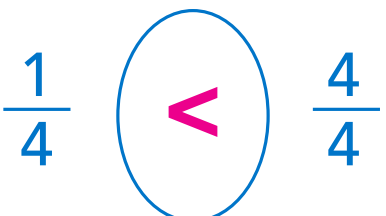
Draw a model to represent and compare the fractions using <, =, or > signs.

$\frac{2}{8}$ < $\frac{7}{8}$

Draw a model to represent and compare the fractions using <, =, or > signs.



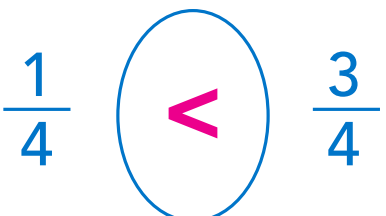
Draw a model to represent and compare the fractions using <, =, or > signs.



Draw a model to represent and compare the fractions using <, =, or > signs.

$\frac{5}{6}$ > $\frac{1}{6}$

Draw a model to represent and compare the fractions using <, =, or > signs.



Draw a model to represent and compare the fractions using <, =, or > signs.

$\frac{1}{12}$ < $\frac{4}{12}$

Draw a model to represent and compare the fractions using <, =, or > signs.

$\frac{4}{8} > \frac{2}{6}$

$\frac{2}{3} > \frac{1}{4}$

$\frac{3}{4} > \frac{1}{2}$

$\frac{1}{2} = \frac{6}{12}$

$\frac{1}{3} = \frac{2}{6}$

$\frac{7}{8} > \frac{5}{12}$

Answer and solve the problems below.

1. Jessica said that $\frac{1}{12}$ is greater than $\frac{1}{8}$ because 12 is greater than 8. Is she correct? Explain why or why not.

Sample answer: No. $\frac{1}{12}$ of a whole are smaller than $\frac{1}{8}$ of a whole.

2. Derek has $\frac{1}{6}$ of his pizza remaining and Garret has $\frac{3}{8}$ of his pizza left. Who has more pizza left? Draw a model and solve.

Answer: **Garret**

3. Margaret has painted $\frac{3}{4}$ of her fence. Tim has the same length of fence to paint and has painted $\frac{1}{2}$. Who has painted more of their fence? Draw a model and solve.

Sample answer: Margaret painted more fence because $\frac{3}{4}$ is larger than $\frac{1}{2}$.

Answer: _____

4. Which of the following statements is not true? Draw a model and solve.

A. $\frac{2}{3} > \frac{1}{4}$

B. $\frac{2}{8} = \frac{1}{4}$

C. $\frac{2}{6} < \frac{6}{8}$

D. $\frac{4}{8} < \frac{1}{3}$

Model Equivalent Fractions

Use fraction bars to model each fraction and then find an equivalent fraction. Draw the fraction bar models.

Answers will vary.

1. $\frac{2}{8} = \frac{1}{4}$

2. $\frac{3}{4} = \frac{6}{8}$

3. $\frac{1}{3} = \frac{2}{6}$

4. $\frac{2}{12} = \frac{1}{6}$

5. $\frac{3}{6} = \frac{1}{2}$

6. $\frac{1}{2} = \frac{4}{8}$

7. $\frac{5}{10} = \frac{1}{2}$

8. $\frac{4}{12} = \frac{1}{3}$

9. $\frac{1}{4} = \frac{2}{8}$

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

Draw Equivalent Fractions

Use fraction bars to model each fraction and then find an equivalent fraction. Draw the fraction bar models.

1. $\frac{4}{8} = \frac{1}{2}$

2. $\frac{1}{4} = \frac{3}{12}$

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

4. $\frac{4}{4} = \frac{8}{8}$

5. $\frac{1}{2} = \frac{2}{4}$

6. $\frac{6}{8} = \frac{3}{4}$

7. $\frac{6}{12} = \frac{4}{8}$

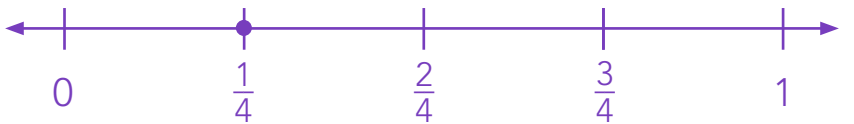
8. $\frac{2}{6} = \frac{1}{3}$

9. $\frac{1}{3} = \frac{4}{12}$

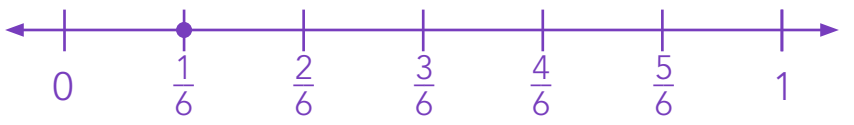
10. $\frac{1}{4} = \frac{2}{8}$

Which two number lines below show equivalent fractions?

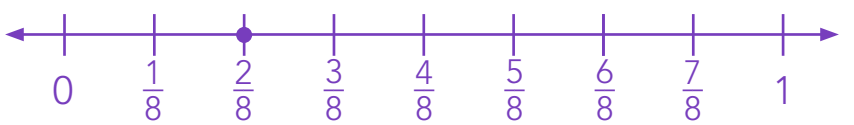
A.



B.



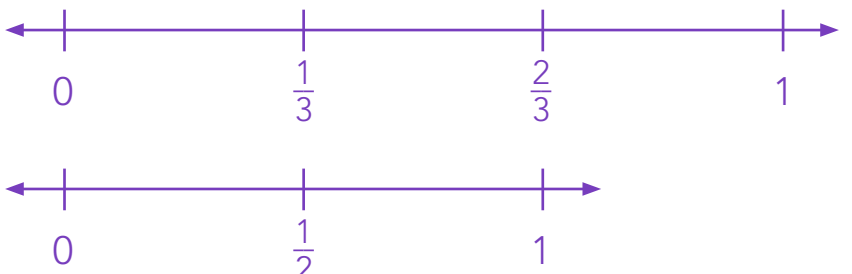
C.



D.

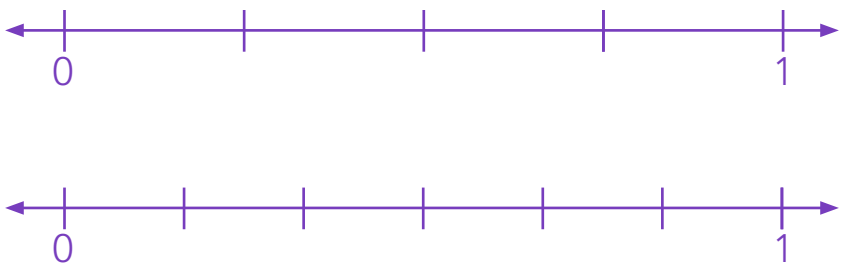
Answer: **A. and C.**

Ronnie drew the fraction number lines below.
Ronnie thinks that $\frac{1}{3}$ is equal to $\frac{1}{2}$ because they are at the same point. What was Ronnie's mistake?
Examine the number lines below and determine the mistake.



Justify: **Sample answer: The number lines are not equally representing one whole.**

Alexis drew the two number lines below.
Find the equivalent fraction pair on the number lines.



Answer: $\frac{1}{2}$ and $\frac{3}{6}$

Draw a pair of number lines to model two equivalent fractions.

Answers will vary.

Draw a model to represent.

example: $\frac{2}{8} = \frac{1}{8} + \frac{1}{8}$

$\frac{2}{3} = \frac{1}{3} + \frac{1}{3}$

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

$\frac{3}{6} = \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

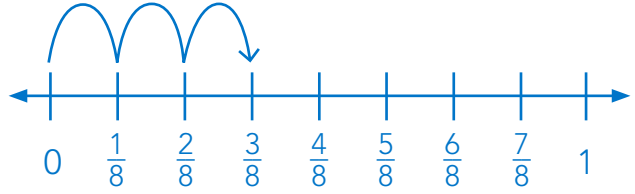
$\frac{4}{12} = \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

$\frac{6}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

$\frac{5}{6} = \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

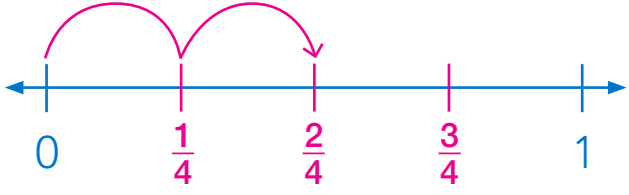
Draw a number line to model "jumping" by unit fractions.
Write each fraction as a sum of unit fractions.

example: $\frac{3}{8}$



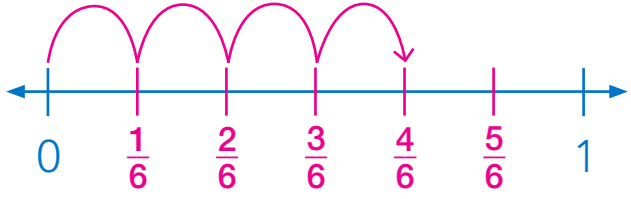
$\rightarrow \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

$\frac{2}{4}$



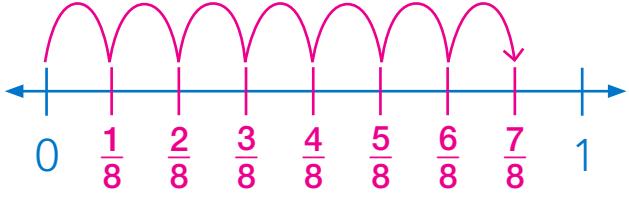
$\frac{1}{4} + \frac{1}{4}$

$\frac{4}{6}$



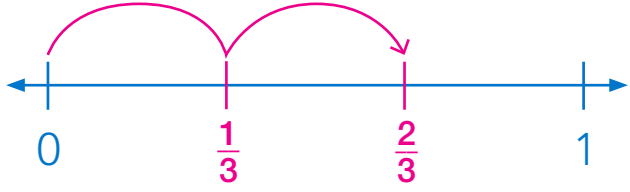
$\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

$\frac{7}{8}$



$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

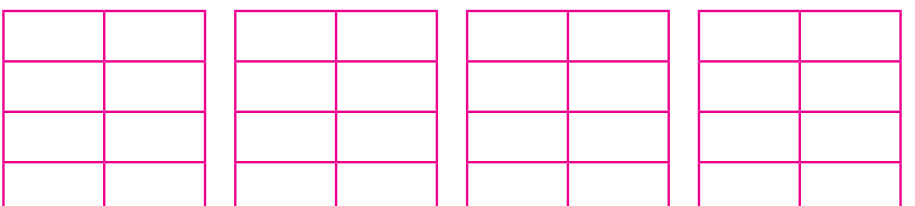
$\frac{3}{3}$



$\frac{1}{3} + \frac{1}{3}$

Read the scenario, draw a model, and solve.

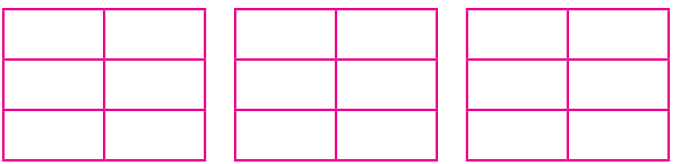
Eight people will share 4 dollars.



Answer: $\frac{4}{32}$

Read the scenario, draw a model, and solve.

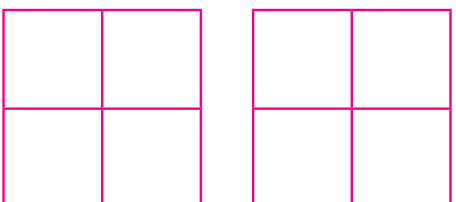
Six people will share 3 hot dogs.



Answer: $\frac{3}{18}$

Read the scenario, draw a model, and solve.

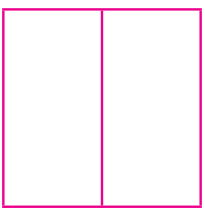
Four friends share 2 apples.



Answer: $\frac{2}{8}$

Read the scenario, draw a model, and solve.

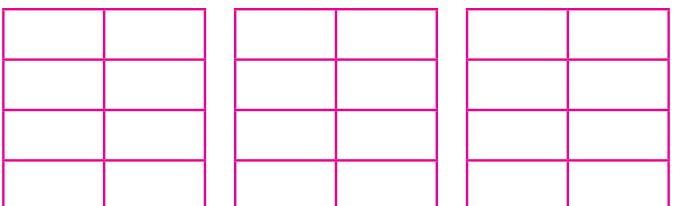
Two siblings share 1 cookie.



Answer: $\frac{1}{2}$

Read the scenario, draw a model, and solve.

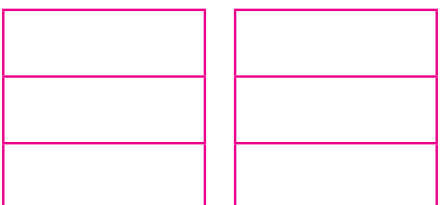
Eight friends share 3 pizzas.



Answer: $\frac{3}{24}$

Read the scenario, draw a model, and solve.

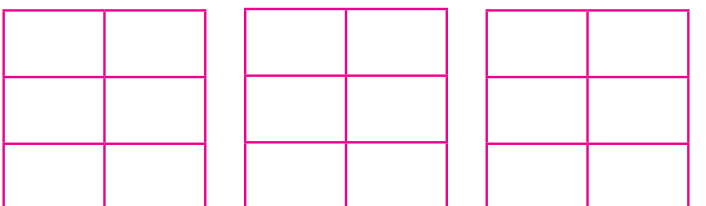
Three dogs share 2 biscuits.



Answer: $\frac{2}{6}$

Read the scenario, draw a model, and solve.

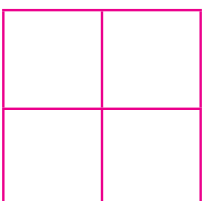
Six friends share 3 ears of corn.



Answer: $\frac{3}{18}$

Read the scenario, draw a model, and solve.

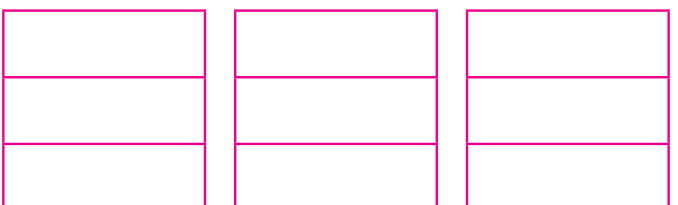
Four friends share a slice of cheese.



Answer: $\frac{1}{4}$

Read the scenario, draw a model, and solve.

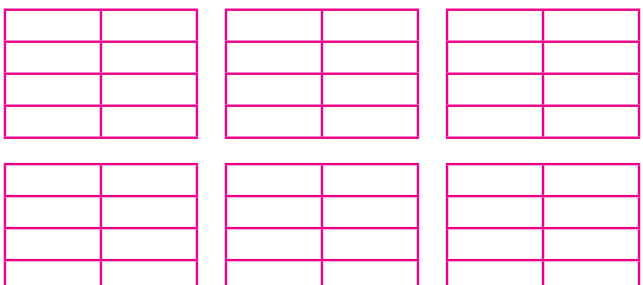
Three people share 3 soccer balls.



Answer: $\frac{1}{3}$

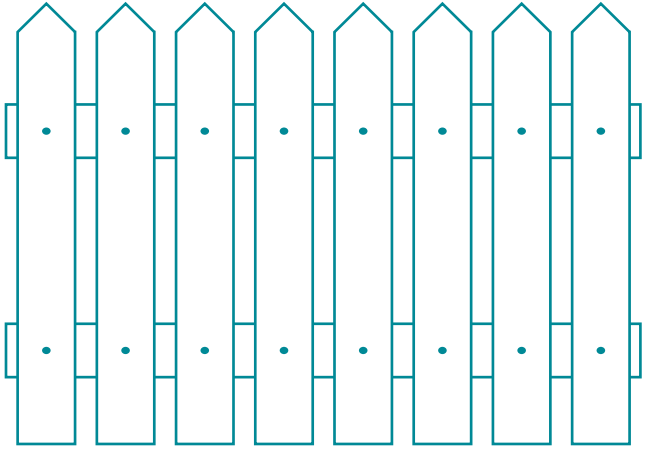
Read the scenario, draw a model, and solve.

Eight friends share 6 cupcakes.



Answer: $\frac{8}{48}$

Megan is building a fence in front of her flowers. What part of the fence did Megan finish building?

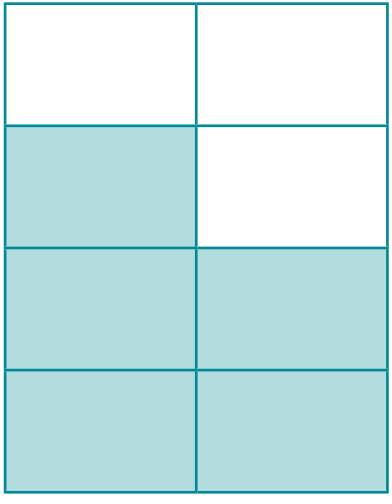


$\frac{4}{8}$

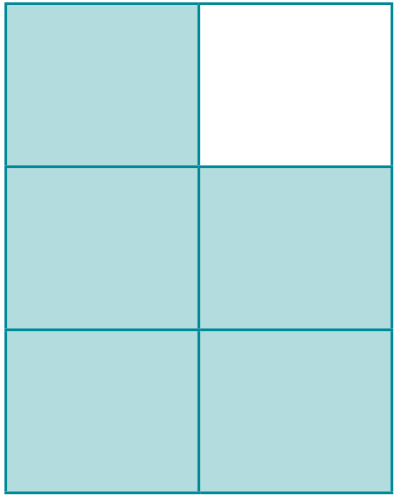
Mark walked $\frac{3}{4}$ of a walking trail. Katy walked $\frac{5}{6}$ of another trail. Who walked a greater distance?

Katy

Compare the fractions modeled.
Use <, =, or > to write a comparison.



<



Which statement is true?

(Hint: draw models)

A. $\frac{1}{4} = \frac{1}{2}$

B. $\frac{1}{2} > \frac{2}{3}$

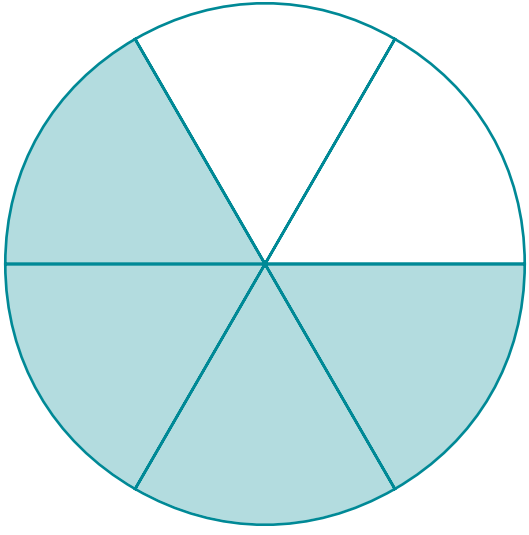
C. $\frac{2}{3} < \frac{5}{8}$

D. $\frac{6}{8} = \frac{3}{4}$

Are the two points on the number lines equivalent? Why or why not?

Sample answer: No. $\frac{3}{4}$ is larger than $\frac{3}{6}$.

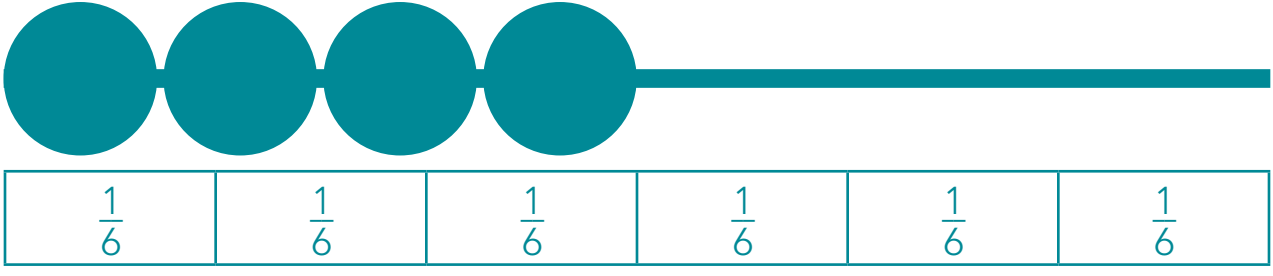
What fraction of the figure is shaded?



$\frac{4}{6}$

Lindsey is stringing beads to make a bracelet. How much of the bracelet has she strung together?

$\frac{3}{6}$



Which statement is true?

(Hint: draw models)

A. $\frac{3}{4} = \frac{2}{3}$

B. $\frac{2}{4} < \frac{1}{2}$

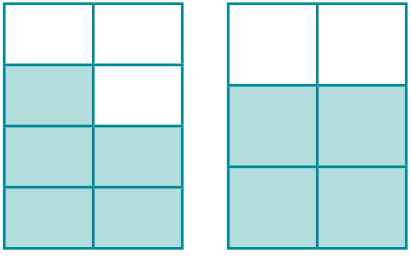
C. $\frac{6}{8} > \frac{3}{6}$

D. $\frac{2}{6} = \frac{2}{8}$

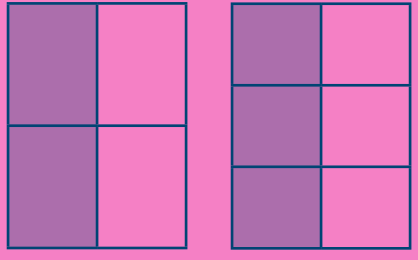
Which picture shows equivalent fractions?

(Hint: draw models)

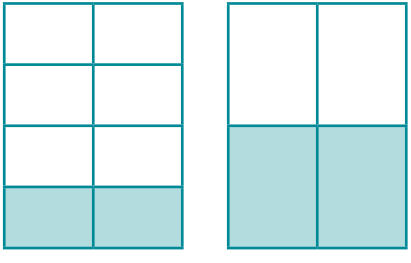
A.



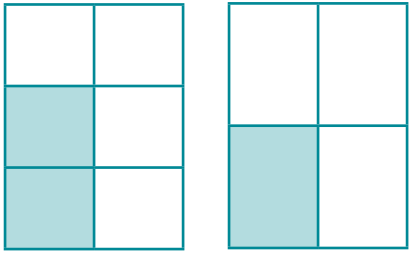
B.



C.



D.

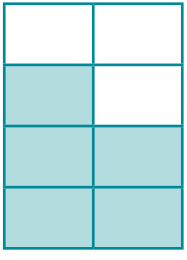


What fraction is represented by the point on the number line?

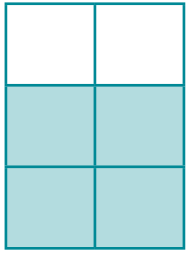
$\frac{2}{6}$

James ate $\frac{2}{4}$ of his candy bar.
Which picture shows a fraction equivalent to $\frac{2}{4}$?

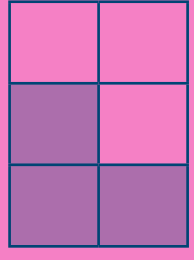
A.



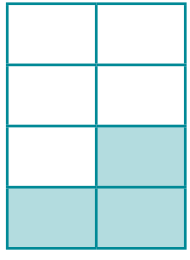
B.



C.



D.



Whitney made a pie and cut it into fourths. She ate 2 slices. Damian cut his pie into sixths and ate 2 slices. Write a fraction to represent how much pie each person ate.

Whitney ate $\frac{2}{4}$ of her pie.

Damian ate $\frac{2}{6}$ of his pie.