

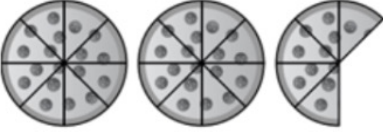


1. Write an improper fraction and mixed number for each image.

 <p>Improper Fraction:</p> <p>Mixed Number:</p>	 <p>Improper Fraction:</p> <p>Mixed Number:</p>	 <p>Improper Fraction:</p> <p>Mixed Number:</p>
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2. Draw a picture to represent seven quarters.

3. Circle the fractions that are more than one whole. Explain or show how you know.

$6/2$

$1/3$

$5/3$

$12/5$

$2/4$

$1\frac{1}{3}$

4. Draw a picture to represent the improper fraction shown on the domino.

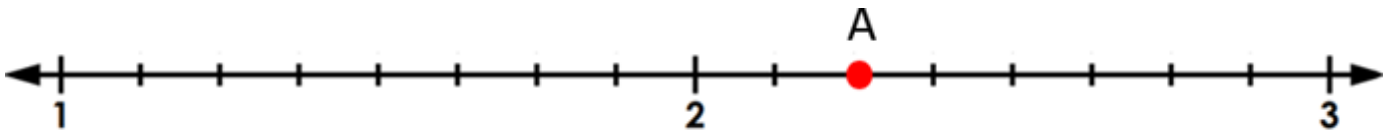


Write the number as an improper fraction and a mixed number.

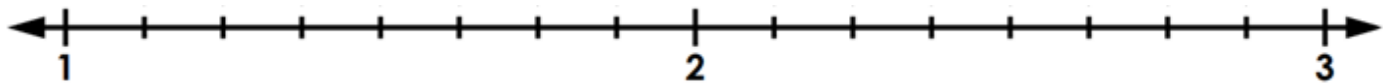
5. Write two fractions that are equivalent to $\frac{8}{6}$.

6. How many eighths are in 2 wholes? 3 wholes? 10 wholes?
Show or explain how you know.

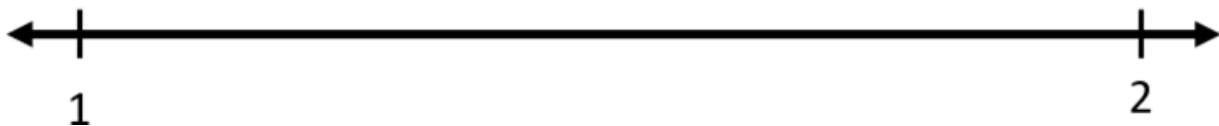
7. What fraction is at Point A on the number line? Write it as a fraction and a mixed number.



8. Show where $\frac{11}{8}$ belongs on the number line below:



9. Show roughly where $\frac{5}{4}$ should go on the number line below.



10. Write the numbers below in order from least to greatest. Show your thinking.

$$1\frac{2}{3} \quad \frac{8}{3} \quad 1\frac{3}{4} \quad 2\frac{1}{3} \quad 2$$

11. Which is bigger: $3\frac{2}{3}$ or $14/3$? Explain or show your thinking.

12. Complete the table. Show your thinking.

Mixed Number	Improper Fraction
$3\frac{1}{2}$	
	$\frac{9}{4}$
$2\frac{3}{7}$	
	$\frac{18}{5}$
Challenge: $17\frac{8}{9}$	

13. Draw a picture to show the difference between three quarters and four thirds.
Write an inequality statement to compare the fractions.

14. Use division to convert $22/5$ into a mixed number. Check your answer with a picture.

15. What fraction is showing here? Is there more than one answer? Explain.



18. How many sevenths make up one whole? Two wholes?

19. Using Cuisenaire Rods (pictured below):

- If the dark green rod is 1 whole, how much are the other rods worth?
- what about if the light green rod is 1 whole?



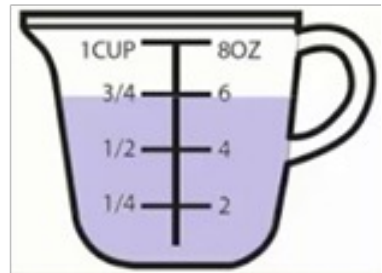
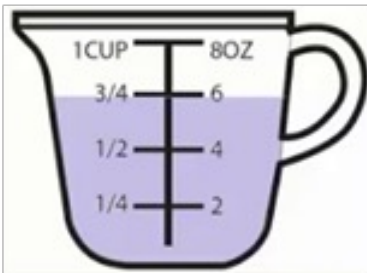
20. Jayden read $3\frac{2}{5}$ pages of his book yesterday, and $19/4$ pages the day before. On which day did he read more? Show your thinking.

21. Put the following numbers on a number line. Show your thinking.

$$2\frac{1}{4}, \frac{14}{5}, 3\frac{2}{5}, 2, 2\frac{1}{2}$$

22. What two whole numbers is $\frac{34}{6}$ between? Draw a number line to show your thinking.

23. Write a mixed number and improper fraction to show how many cups altogether. Draw or write to explain your thinking.



24. A recipe calls for $2\frac{1}{4}$ cups of flour but you only have $1\frac{1}{2}$ cups. How much more flour do you need?

25. How much time is $2\frac{3}{4}$ hours?

26. Sophie saw on a very strangely written recipe that she needed $3\frac{3}{4}$ cups of milk. Convert that measurement into a mixed number to make it easier for Sophie.

27. Do $1\frac{1}{2}$ and $\frac{9}{6}$ represent the same amount?
Show your thinking with pictures and numbers.

28. Make a number line and place these fractions on it:
 $\frac{3}{6}$, $1\frac{1}{3}$, $\frac{3}{2}$.
Think carefully about how to partition the number line.

29. Your neighbor has $3\frac{1}{2}$ dozen eggs in their fridge. You have 50 eggs. Who has more? How do you know?

30. Skip count by $\frac{2}{3}$ until you get to a number that is equivalent to 4.

31. Is $2\frac{3}{4}$ and $7\frac{5}{6}$ more than 10 or less than 10?
How do you know?

32. A 2-cup measuring cup is filled to $1\frac{1}{4}$ cups.
How much room is left in the measuring cup?

33. Addie said she is $6\frac{3}{4}$ years old. In how many months will Addie turn 7?

34. Your class is designing a rectangular garden for the front of the school. The area of the garden needs to be 20 square metres. If one side length of the garden is going to be $2\frac{1}{2}$ metres, what will the perimeter be?

1. Write two mixed numbers that are between 2 and 3.

2. Write two mixed numbers that are between 2 and $2\frac{1}{4}$.

3. Write two improper fractions that are really close to 4. How do you know they are really close?

4. Write the smallest mixed number you can think of. Could there be a mixed number even smaller than the one you chose? Explain or show your thinking.

5. Write an improper fraction that is between $1 \frac{7}{8}$ and $2 \frac{1}{4}$. Show how you know.

6. When can finding a common denominator help you compare improper fractions or mixed numbers? Explain and give an example.

7. Choose ten or more fractions between 1 and 3.

Record these fractions as improper fractions and mixed numbers.

Record the fractions in order from least to greatest along a number line.

8. Here is a list of benchmark numbers in order: 0, 0.5, 1, 1.5, 2

a. Draw a number line with these benchmark numbers on it and then add these numbers to it:

$\frac{3}{4}$, 0.2, $\frac{8}{10}$, 0.45, $\frac{17}{10}$, 1.51, $\frac{1}{4}$, 0.89, $\frac{130}{100}$, $\frac{1}{4}$.

b. Add two or more fractions or decimal numbers of your choosing. Explain or show your thinking.

9. Choose one of these numbers: $18/10$ or $2 \frac{3}{4}$

- a. Represent the number in different ways (pictures, words, symbols).
- b. How many different ways can you decompose the number?
- c. What different ways can you count to that number?
- d. What is 0.5 more than your number?
- e. What is 0.5 less?
- f. What is a number that is about half of your number?
- g. Show your number on a number line then write six other numbers putting them all in order.