A fraction is a number.
Fractions are also another way to write division.
For example, we can write $1 \div 2$ as $\frac{1}{2}$.


PRACTICE Label the number marked with an arrow on each number line below.
1.

2.

3.

4.


EXAMPLE $\quad$ Which is greater, $\frac{1}{5}$ or $\frac{1}{7}$ ?
We can compare $\frac{1}{5}$ to $\frac{1}{7}$ on the number line.
To locate $\frac{1}{5}$, we divide the number line between 0 and 1 into five equal pieces. The first piece begins at 0 and ends at $\frac{1}{5}$. To locate $\frac{1}{7}$, we divide the number line between 0 and 1 into seven equal pieces. The first piece begins at 0 and ends at $\frac{1}{7}$.


Since $\frac{1}{5}$ is to the right of $\frac{1}{7}$ on the number line,

$$
\frac{1}{5} \text { is greater than } \frac{1}{7} \text {. }
$$


5. Which is greater, $\frac{1}{2}$ or $\frac{1}{3}$ ?

6. Which is greater, $\frac{1}{6}$ or $\frac{1}{9}$ ?

6. $\qquad$
7. Which is greater, $\frac{1}{11}$ or $\frac{1}{10}$ ?

7. $\qquad$

0

8. $\qquad$
9. $\qquad$
9. Which is greater, $\frac{1}{91}$ or $\frac{1}{100}$ ?


EXAMPLE $\mid$ Write $\frac{15}{3}$ as a whole number.

So, $\frac{15}{3}$ equals $15 \div 3=5$.

PRACTICE $\quad$ Write each fraction below as a whole number.
10. $\frac{16}{8}=$ $\qquad$ 11. $\frac{48}{4}=$ $\qquad$
12. $\frac{45}{9}=$ $\qquad$
14. $\frac{39}{13}=$ $\qquad$ 15. $\frac{12}{12}=$ $\qquad$

PRACTICE Fill in the numerator that will make each equation below true.
16. $-\frac{}{3}=2$
17. $-\frac{}{7}=10$
18. $-\frac{}{3}=12$
19. $-\frac{}{6}=9$

PRACTICE Fill in the denominator that will make each equation below true.
20. $\underline{12}=2$
21. $\underline{56}=7$
22. $\quad 35=5$
23. $\underline{36}=4$


In a Fraction Link puzzle, the goal is to connect each pair of equal numbers by a path.

- Paths may only go up, down, left or right through squares.
- Paths must begin and end at a number, but they may not pass through squares that contain numbers.
- Only one path may pass through each square.

Below is an example of a Fraction Link puzzle and its solution:

|  | $\frac{20}{5}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\frac{21}{7}$ |  | 6 |  |
|  | $\frac{12}{2}$ |  |  |  |
|  | $\frac{15}{3}$ |  | 3 |  |
|  | 4 |  |  | 5 |



PRACTICE
Solve each Fraction Link puzzle below. We recommend using a pencil.
You can print more copies of these Fraction Link puzzles at BeastAcademy.com.
24.

| 1 |  |  |  |
| :---: | :---: | :---: | :---: |
| 2 |  | $\frac{10}{5}$ |  |
| 3 |  | $\frac{9}{3}$ |  |
| $\frac{6}{6}$ |  |  |  |

25. 

| 1 |  |  | 2 |
| :--- | :--- | :--- | :--- |
|  | $\frac{6}{2}$ | $\frac{5}{5}$ |  |
|  | $\frac{4}{2}$ |  |  |
|  |  |  | 3 |

27. 

| $\frac{11}{11}$ |  |  | $\frac{12}{6}$ |
| :---: | :---: | :---: | :---: |
|  |  | 3 |  |
|  | 2 | $\frac{40}{10}$ |  |
|  | 4 |  | $\frac{18}{6}$ |
|  |  |  | 1 |

