

Lesson: Mixed Numbers and Improper Fractions

Recall Fractions

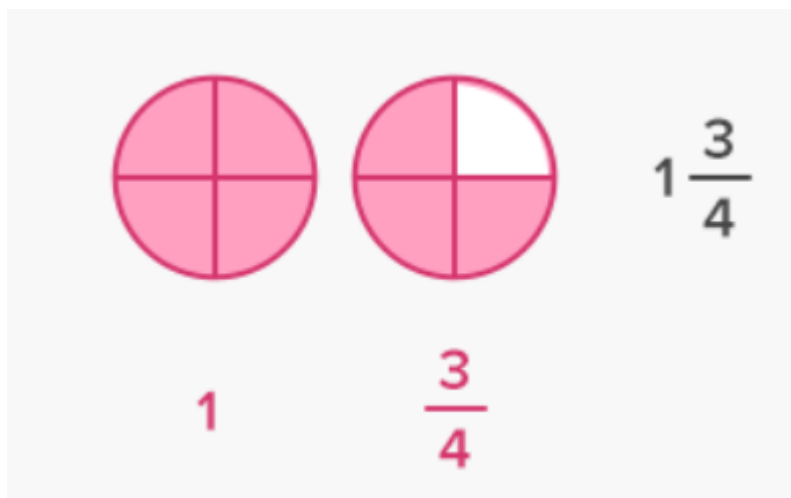
- A fraction shows **part of a whole**.

Example: $\frac{3}{4}$ means 3 out of 4 equal parts.

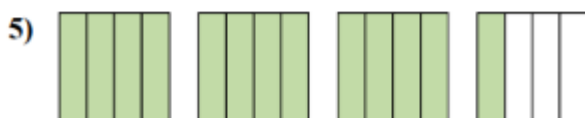
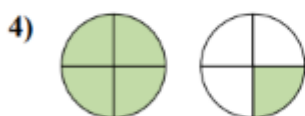
Mixed Numbers

- A **mixed number** has a **whole number** and a **fraction**.

Example: $1\frac{3}{4}$



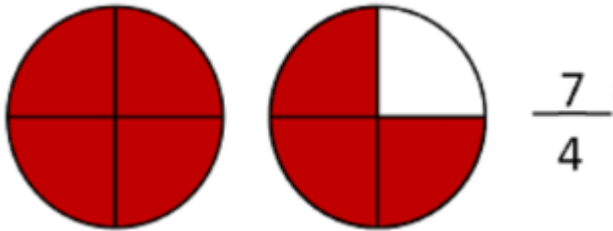
For the following diagrams, write the amount as a **mixed number**



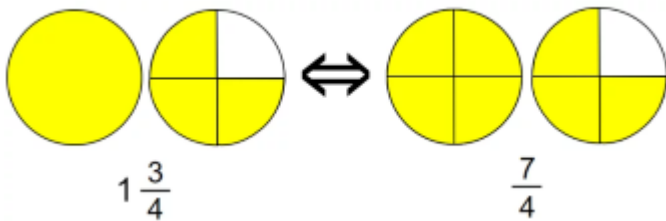
Improper Fractions

- Sometimes, the **numerator** (top number) is **bigger** than the denominator (bottom number).
- This is called an **improper fraction**.

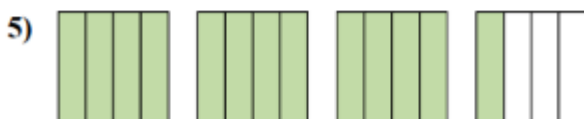
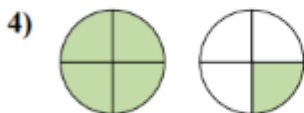
Example: $\frac{7}{4}$



- Notice that an improper fraction represents the same amount as a mixed number



For the following diagrams, write the amount as an **improper fraction**



Steps to Convert Mixed Numbers to Improper Fractions

1. Multiply the whole number by the denominator:

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

2. Add the numerator: $6 + 1 = 7$

3. Keep the same denominator: $\frac{7}{3}$