## Lesson 15: Common Denominators to Compare

* Let’s compare fractions by writing equivalent fractions with the same denominator.

### Warm-up: What Do You Know about 15 and 30?

What do you know about 15 and 30?

### 15.1: Tricky Fractions?

1. In each pair of fractions, which fraction is greater? Explain or show your reasoning.
   1. or
   2. or
2. Han says he can compare and by writing an equivalent fraction for . He says he can’t use that strategy to compare and . Do you agree? Explain your reasoning.
3. Priya and Lin showed different ways for comparing and . Make sense of what they did. How are their strategies alike? How are they different?

* Priya:
* ​​ is greater than , so ​​​​​ is greater than .
* Lin:
* is greater than , so is greater than .

### 15.2: Use a Common Denominator, or Not

1. For each pair of fractions, write a pair of equivalent fractions with a common denominator.
   1. and
   2. and
   3. and
   4. and
2. For each pair of fractions, decide which fraction is greater. Be prepared to explain your reasoning.
   1. or
   2. or
   3. or
   4. or



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