

Figure 5.7: Public record of equations, number lines, and area representations.

True or False

$$\frac{1}{2} = \frac{1}{4} \text{ (F)} \quad \frac{1}{2} = \frac{1}{4} + \frac{1}{4}$$

All denominators are even.

$$\frac{1}{2} = \frac{2}{4} \text{ (T)}$$

$$\frac{1}{2} = \frac{1}{6} \text{ (F)} \quad \frac{1}{2} = \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$$

The numerator tells the "gap" / difference between the numerator and denominator.

Counting by 1

$$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10}$$

Counting by 2

All even denominators

$$\frac{100}{200} = \frac{50}{100} = \frac{16}{32} = \frac{8}{16}$$

