Preliminary Planning Sheet

Grade 3 – Ben's Apple Pie

Domain(s)

Number and Operations—Fractions[1]

Standard(s)

3.NF.A.3b

Mathematical Practices

MP.1 MP.3 MP.4 MP.5 MP.6

Major Underlying Mathematical Concepts

- Recognize and generate simple equivalent fractions
- Comparison
- Fraction notation

Problem Solving Strategies

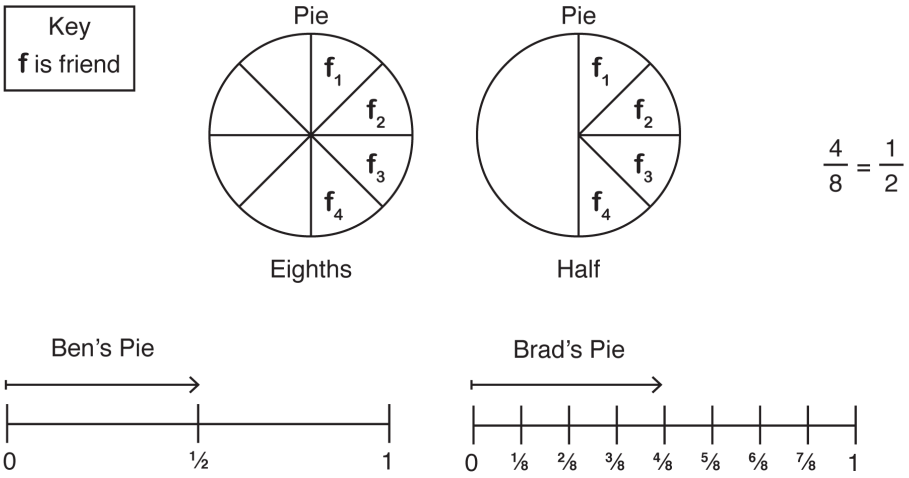
- Model (manipulatives)
- Area model
- Diagram/Key
- Chart
- Table
- Number line

Formal Mathematical Language and Symbolic Notation

- Model
- Area model
- Diagram/Key
- Table
- Chart
- Number line
- Fractions
- 1/2, 4/8 ...
- Whole
- Rectangle/Rectangular
- Numerator/Denominator
- Greater than (>)/Less than (<)
- Equivalent/Equal to
- Per
- Percent
- 50%
- Decimal
- 0.5

Possible Solution(s)

Ben and Brad are both correct.



Possible Connections

Below are some examples of mathematical connections. Your students may discover some that are not on this list.

- Find other equivalent fractions sf ((2/4)).
- Half sf ((1/2)) a pie is left.
- All four friends can have a second piece of pie.
- sf (1/2) a pie is 0.5 or 50%.
- Solve more than one way to verify the answer.
- Relate to a similar task and state a math link.
- The answer would be the same even if the pie were rectangular.
- In the fraction sf (4/8), four is the numerator and eight is the denominator.
- If ten friends wanted a piece of pie the pieces would be smaller so that everyone could have a piece.