Preliminary Planning Sheet

Kindergarten – Gingerbread Men

Domain(s)

Counting and Cardinality

Standard(s)

K.CC.B.5

Mathematical Practices

MP.1 MP.3 MP.4 MP.5 MP.6 MP.7

Major Underlying Mathematical Concepts

- Number sense to 12
- 2 to 1 (2 raisins to 1 gingerbread man)
- Addition/Counting on

Problem Solving Strategies

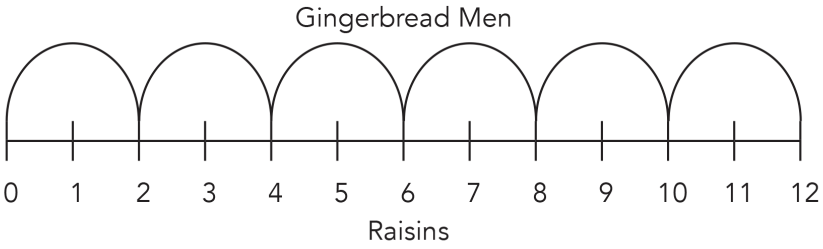
- Model (manipulatives)
- Diagram/Key
- Ten frames
- Table
- Number line
- Tally chart
- Number chart
- Place value strips

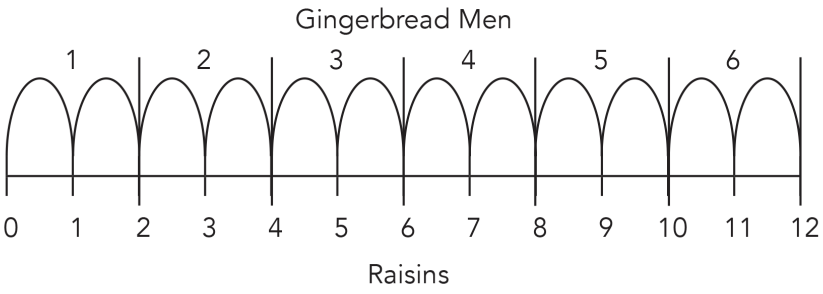
Formal Mathematical Language and Symbolic Notation

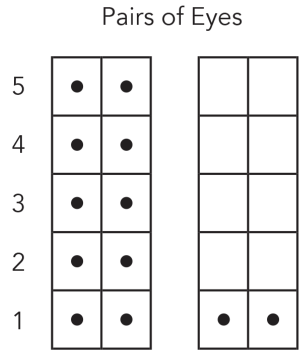
- Model
- Diagram/Key
- Ten frames
- Table
- Number line
- Tally chart
- Number chart
- Place value strips
- Per
- Pair
- Total/Sum
- Double
- Sets/Groups
- Pattern
- Dozen
- Odd/Even
- Tally
- More/Less than
- 1st, 2nd, 3rd …

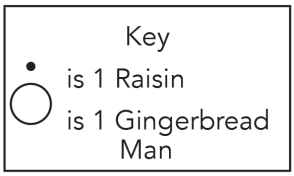
Possible Solution(s)

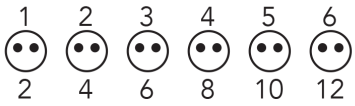
Gina needs 12 raisins.

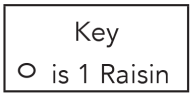




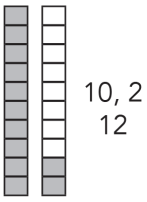








Raisins



Gingerbread Man	Raisins
1	○○
2	○○
3	○○
4	○○
5	○○
6	○○

Gingerbread Man	Eyes
1	2
2	2
3	2
4	2
5	2
6	2

Gingerbread Man	Total Raisin
1	2
2	4
3	6
4	8
5	10
6	12

Possible Connections

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

- Eyes are pairs.
- Patterns: Raisins +2, Gingerbread man +1.
- 12 raisins are a dozen.
- 6 is half of 12.
- One gingerbread man has 2 eyes.
- Student adds more gingerbread men/eyes to extend the task.
- Double the number of gingerbread men to get the total number of raisins.
- There is always an even number of raisins used.
- If Gina made noses, she would need six more raisins.
- You can count by twos to find the number of raisin eyes.
- Solve more than one way to verify the answer.
- Relate to a similar task and state a math link.