3.4K One-step and Two-step problems involving multiplication and division

Multiplication and Division

54

There were 6 bags of candy. In each bag, there were 9 pieces. How many pieces are there total?

with **Ozobots**

Activity Name: 3.4K Represent and Solve Real World Multiplication and Problems

Description: Solve the problems using real world multiplication strategies to determine how to program the Ozobot.

Strand: Problem Solving
Multiplication

Tool Overview:
- Ozobots

TEK(S): **3.4(D), 3.4(E)** I can represent multiplication with objects and pictures.
3.4(F) I can remember multiplication facts.
3.4(K), 3.5(B) I can represent and solve real-world multiplication and problems.

Materials:
- Ozobots
- Ozobot Bot Maze
- Markers (green, black, red, blue)
- Code reference chart

Technology Vocabulary:
- Program
- Input and Output
- Algorithm

Lesson Procedures:

- You will need student copies of slides 3 to solve and 4 to code
- Students will show their work on page 3 while using page 4 to code.
- Students will use the "**Possible Ozobot Coding**" card to code their page according to the problem number and answer.
- You can choose to print the Possible Ozobot Coding card (slide 5) OR assign slide 4 to Google Classroom for students to access it.

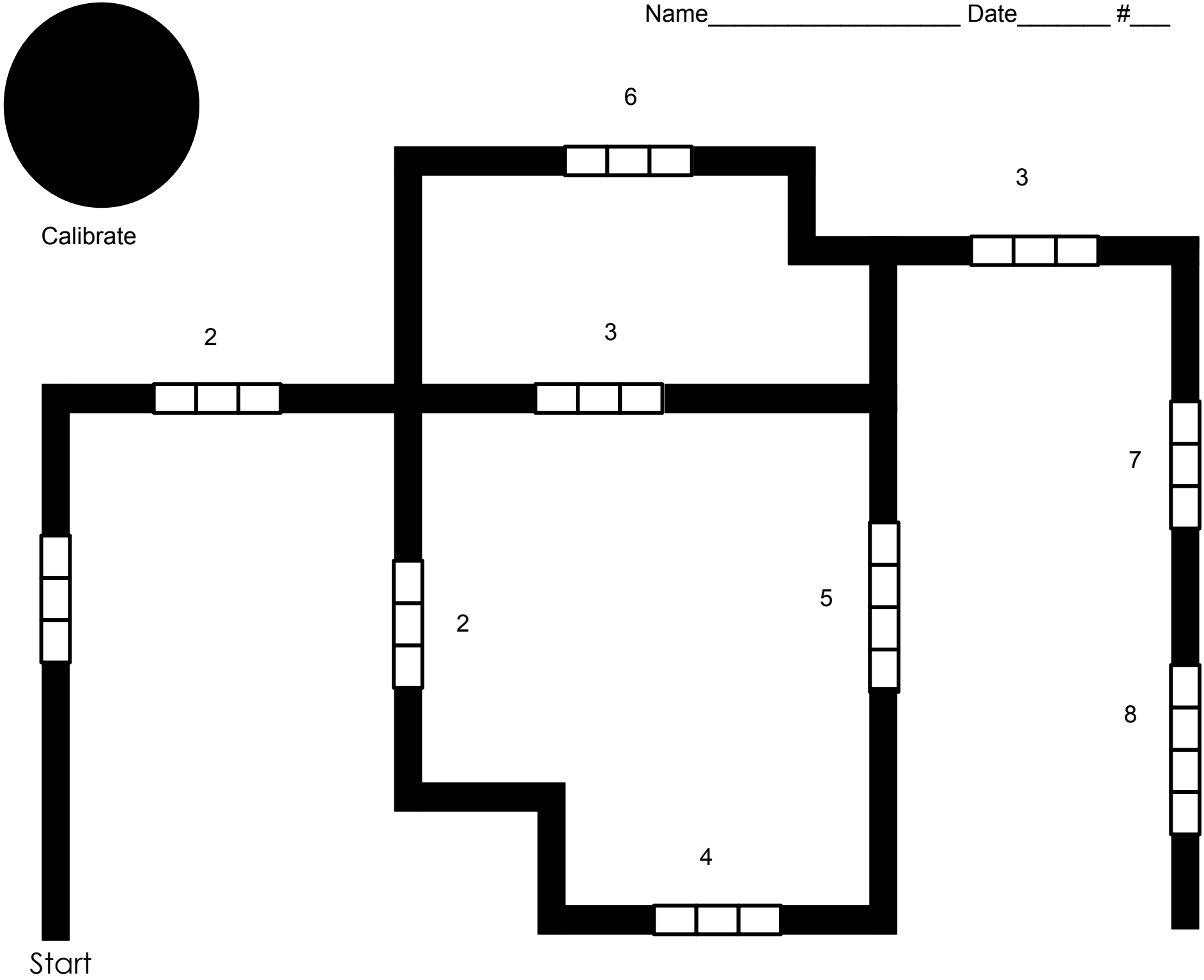
Answer Key

1.	30 - cruise
2.	8x5-15 - go straight
3.	45 - go right
4.	72 - fast

5.	63 - zigzag
6.	8 - Super Slow
7.	24 - slow
8.	21 - spin

1. A store is selling shirts. There are two racks that have 15 small shirts on each rack. How many shirts are in the store?	5. A car dealership has nine rows in its used car section. Each row has 7 cars. How many cars are in the used car section of the dealership?
2. The movie theatre has eight rows of seats. Each row has 5 seats. During the movie, there were 15 empty seats. **Write an expression that can be used to find the number of people who attended the movie?**	6. Cassie had four ice cube trays. There were 12 ice cubes in each tray. She placed an equal number of ice cubes in each of 6 glasses. How many ice cubes are in each glass?
3. Mr. Smith has five stacks of disposable cups. There were 9 cups in each stack. How many cups were there in all?	7. Pablo works at a local grocery store. This morning he stocked 4 six-packs of soda. How many sodas did he stock?
4. Josie has gymnastics practice 3 times a week. Each practice lasts 3 hours. What is the total number of hours that Josie will practice in 8 weeks?	8. Kim is helping Mrs. White arrange her new desks. She would like 7 groups of 3 desks, 1 desk for each of her students. How many students does Mrs. White have?

Name_____ Date_____ #___



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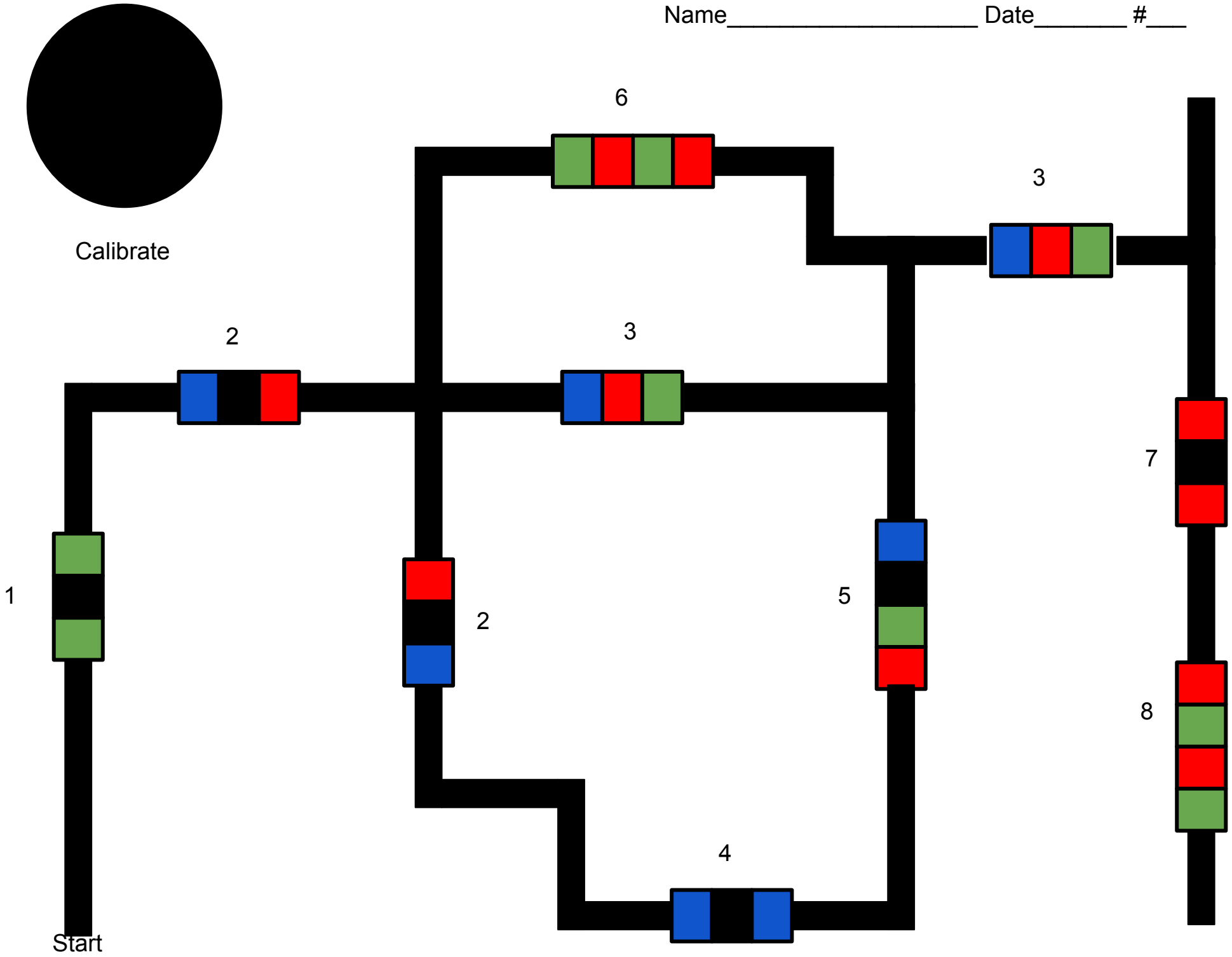
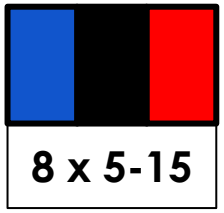
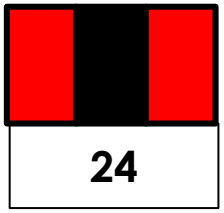


Possible Ozobot Codes



8 x 5-15



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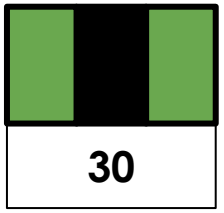

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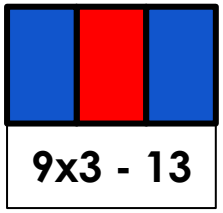
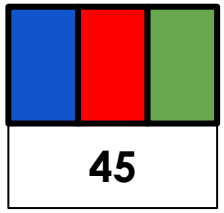


9x3 - 13



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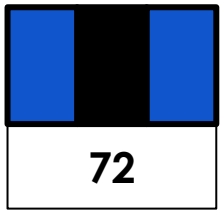

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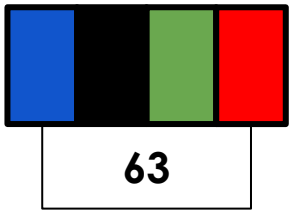

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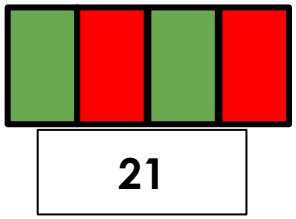

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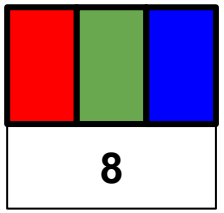

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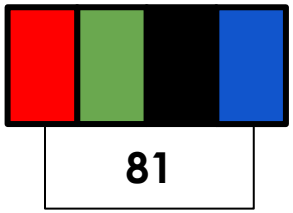

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