

Mathematics

1-15 Heads and Tails

Subject:	Mathematics
Topic/Unit of Study:	Coin recognition
Objective:	To recognize the heads and tails of coins.

Summary

This activity is conducted when learning about coins (penny, nickel, dime and quarter).

Procedure

Use the coin mat or locate quarters, dimes, nickels, and pennies on the card mat or under the transparent grid, showing both heads and tails. Written coin values may also be included. The teacher calls out a coin name or an amount and the students navigate Bee-Bot to the correct coin on the mat.

Differentiated Instruction

For advanced students, this activity may be modified to include half-dollars, paper money (\$1, \$5, \$10, \$20, \$50, and \$100), and silver dollars.

The teacher works with struggling students until proficiency is gained.

Collaboration:	Students will work collaboratively in small groups.
Time Allotment:	Multiple class periods, as needed. The time should be limited to 10-20 minutes.
Resources:	Coin Mat Card mat or transparent grid mat Coins

Standards

NCTM Standards (National Council for Teachers of Mathematics)

- Subject : MATHEMATICS
- Grade Level : GRADE K
- Content Standard 1: NUMBER OPERATIONS AND CONCEPTS: Students use numbers, number sense, and number relationships in a problem- solving situation.

Benchmark 3: Students recognize and name penny, nickel, dime, and quarter using real coins.

- Grade Level : GRADE 1
- Content Standard 1: NUMBER OPERATIONS AND CONCEPTS: Students use numbers, number sense, and number relationships in a problem- solving situation.

Benchmark 3: Students use coins (penny, nickel, dime, and quarter) to compare values (more/ less).

ISTE: National Educational Technology Standards for Students: The Next Generation

- Standard: 4. Critical Thinking, Problem-Solving & Decision-Making- Students use critical thinking skills to plan and conduct research, manage projects, solve problems and make informed decisions using appropriate digital tools and resources.

Indicator: Students: b. plan and manage activities to develop a solution or complete a project.

- Standard: 6. Technology Operations and Concepts- Students demonstrate a sound understanding of technology concepts, systems and operations.

Indicator: Students: b. select and use applications effectively and productively.

Indicator: Students: d. transfer current knowledge to learning of new technologies.