

MONEY BAGS

Performance Standard (7A/6A).A

Identify coins and their value and count like-sets of coins and match coin sets to a given amount of money accordingly:

- *Mathematical knowledge:* Identify each type of coin (i.e., pennies, nickels, dimes and quarters), create coin sets to match given amounts of money.
- *Strategic knowledge:* Sort the coins into appropriate sets, use correct counting methods to determine values.
- *Explanation:* Explain completely and clearly what was done and why it was done.

Procedures

1. *In order to measure and compare quantities using appropriate units, instruments, and methods (7A) and demonstrate knowledge and use of numbers and their many representations in a broad range of theoretical and practical settings (6A)*, students should experience sufficient learning opportunities to develop the following:
 - Count with understanding, including counting by 5's and 10's from zero.
 - Identify units of money and the value of each.
 - Count like sets of coins.
2. Have students review and discuss the task to be completed and how it will be evaluated. This evaluation must be given individually using the "Money Bags" checklist or videotape.
3. Provide each student with a mixed set of pennies, nickels, dimes, and quarters. Ask the student to sort the coins into like sets and identify the name of each coin set and the value of one coin in each set. Record the student's response on the checklist.
4. Create sets of given amounts on checklist (2 sets per coin) and have each student count sets aloud. Record responses on assessment checklist.
5. Give student the amounts given on the checklist and the coin sets. Ask each student to demonstrate that amount with like sets of appropriate coins.
6. Evaluate each student's performance using the rubric. The table below indicates what is required to attain a performance level for each standard. Average the two scores to determine the performance level for the assessment as a whole.

Performance Levels	Identifying Coins and Values (7A)	Counting and Demonstrating Like Sets of Coins (6A)
4 Exceeds	<ul style="list-style-type: none">• identified all four coins and values.	<ul style="list-style-type: none">• correctly counted and demonstrated like sets of coins at least 93% of the time.
3 Meets	<ul style="list-style-type: none">• identified not fewer than 3 out of 4 coins OR values.	<ul style="list-style-type: none">• correctly counted and demonstrated like sets of coins at least 85% of the time
2 Approaches	<ul style="list-style-type: none">• identified not fewer than 3 out of 4 coins OR values.	<ul style="list-style-type: none">• correctly counted and demonstrated like sets of coins at least 77% of the time.
1 Begins	<ul style="list-style-type: none">• identified not fewer than 2 out of four coins and values.	<ul style="list-style-type: none">• correctly counted and demonstrated like sets of coins at least 70% of the time.

Examples of Student Work follow

Time Requirements

- 10 - 15 minutes for each student

Resources

- Set of coins including 20 pennies, 20 nickels, 10 dimes and 4 quarters
- Copies of the "Money Bags" checklist
- Mathematics Rubric

ASSESSMENT (7A/6A).A

MONEY BAGS

TEACHER OBSERVATION RECORDING SHEET

NAME _____ DATE _____

	Correct coin identification	Correct coin value
PENNY	1.	5.
NICKEL	2.	6.
DIME	3.	7.
QUARTER	4.	8.

TEACHER-CREATED SETS:

Notes:

- 9. 6 cents in pennies yes no
- 10. 40 cents in dimes yes no
- 11. 65 cents in nickels yes no
- 12. 12 cents in pennies yes no
- 13. 50 cents in quarters yes no
- 14. 30 cents in nickels yes no
- 15. 75 cents in quarters yes no
- 16. 80 cents in dimes yes no

STUDENT-CREATED SETS FOR GIVEN VALUES AND COINS

Notes:

- 17. "Use nickels to show me 45 cents" yes no
- 18. "Use pennies to show me 8 cents" yes no
- 19. "Use quarters to show me 50 cents" yes no
- 20. "Use dimes to show me 60 cents" yes no

TOTAL SCORE ___/20

"Meets"

TEACHER OBSERVATION RECORDING SHEET

STUDENT NAME _____

Meets
7A

	Correct coin identification	Correct coin value
PENNY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NICKEL	no answer	<input checked="" type="checkbox"/>
DIME	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
QUARTER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

TEACHER-CREATED SETS:

Notes:

- 6 cents in pennies yes no
- 40 cents in dimes yes no *counted by 10s*
- 65 cents in nickels yes no *counted by 5s*
- 12 cents in pennies yes no
- 50 cents in quarters yes no
- 30 cents in nickels yes no
- 75 cents in quarters yes no
- 80 cents in dimes yes no

Exceeds
6A

STUDENT-CREATED SETS FOR GIVEN VALUES AND COINS

Notes:

- "Use nickels to show me 45 cents" yes ← no *first showed 40¢ then corrected.*
- "Use pennies to show me 8 cents" yes no
- "Use quarters to show me 50 cents" yes no
- "Use dimes to show me 60 cents" yes no

SCORE 19 /20

7A6A-AM

"Exceeds"

TEACHER OBSERVATION RECORDING SHEET

STUDENT NAME _____

	Correct coin identification	Correct coin value
PENNY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NICKEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DIME	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
QUARTER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

TEACHER-CREATED SETS:

Notes:

- 6 cents in pennies yes no
- 40 cents in dimes yes no *counted by 10s*
- 65 cents in nickels yes no *counted by 5s*
- 12 cents in pennies yes no
- 50 cents in quarters yes no
- 30 cents in nickels yes no
- 75 cents in quarters yes no
- 80 cents in dimes yes no

STUDENT-CREATED SETS FOR GIVEN VALUES AND COINS

Notes:

- "Use nickels to show me 45 cents" yes no
- "Use pennies to show me 8 cents" yes no
- "Use quarters to show me 50 cents" yes no
- "Use dimes to show me 60 cents" yes no

SCORE 20 /20

7A6A-AE

exceeds
7A

exceeds
6A