Coins in Madison’s Pocket

Madison has some pennies, nickels, dimes, and quarters in her pocket. She counts the coins and she has a total of $1.63. Use the following clues to determine how many of each coin Madison could have in her pocket:

- She has an odd number of quarters.
- She has more dimes than nickels.
- She has fewer than 20 pennies.

Explain your thinking using pictures, words, and/or symbols.

STUDENT A

[Hand-drawn pictures of coins]
Madison has some pennies, nickels, dimes, and quarters in her pocket. She counts the coins and she has a total of $1.63. Use the following clues to determine how many of each coin Madison could have in her pocket:

- She has an odd number of quarters.
- She has more dimes than nickels.
- She has fewer than 20 pennies.

Explain your thinking using pictures, words, and/or symbols.
STUDENT C
STUDENT D

25¢ + 25¢ + 25¢ + 25¢ = $1.25

10¢ + 10¢ + 10¢ = $0.30

25¢ + 10¢ + 10¢ + 10¢ + 10¢ = $1.60

65¢ + 10¢ + 10¢ + 10¢ + 10¢ + 10¢ = $1.15

15¢ + 10¢ + 10¢ = $1.35

5¢ + 0¢ + 0¢ = $1.63

25¢ + 25¢ + 25¢ + 25¢ = $1.00

$1.05 + 10¢ + 10¢ + 10¢ + 10¢ + 10¢ + 10¢ = $1.55

0¢ + 0¢ + 5¢ = $1.63
STUDENT E
18 pennies
3 nickels
4 dimes
6 dimes
1 quarter
2 nickels
$1.00 + 63¢ = $1.63

$1.00 + 63¢ = $1.63

Virginia Department of Education 2019 – Grade 2 Task