

# MathFLIX CHALLENGE

## Hypatia

Build a table to help answer the following algebra problems.

1) I have only nickels and dimes. I have six coins. I have 45¢. How many nickels and dimes do I have?

Nickles	Dime	# of Coins	Amount of money
1	5	6	55¢
_____	4	6	_____
3	_____	6	_____

2) I have only nickels and dimes. I have ten coins. I have 80¢. How many nickels and how many dimes do I have?

Nickles	Dime	# of Coins	Amount of money
1	9	10	95¢
2	_____	10	_____
_____	_____	10	_____

3) I have only nickels, dimes, and pennies. I have eleven coins. How many nickels, how many dimes and how many pennies do I have?

Pennies	Nickles	Dime	# of Coins	Amount of money
1	1	9	11	96¢
1	2	_____	11	_____
_____	_____	_____	11	_____

4) In my barnyard, I have chickens and cows. If there are 30 heads and 100 legs, how many chickens and how many cows do I have?

Chicken(s)	Cow(s)	Heads	Legs
1	29	30	118
_____	_____	30	_____
_____	_____	30	_____