

Reasoning About Money

NCTM Standards 1, 2, 6, 7, 8, 10

Gabe has a dime bank with 4 dimes in it. He receives some dimes for his birthday. He puts all the dimes he receives into his dime bank.

1 If he receives:

1 dime, then he has 50¢ in the bank.

3 dimes, then he has _____ in the bank.

_____ dimes, then he has 60¢ in the bank.

2 Record some of the possibilities in the table.

If he receives ■ dimes,	1	3		5	4		8	7	9		
then he has ■¢ in his bank.	50		60			100				140	240

3 Can you find the total number of possibilities? Explain.

Sam has some pennies. Kevin has 4 more pennies than Sam. Andrew has twice as many pennies as Sam.

4 Complete the table.

If Sam has \blacksquare ¢ ...	1	2						
... then Kevin has \blacksquare ¢ ...			7		10		17	
... and Andrew has \blacksquare ¢				8		20		50

5 Who has the smallest amount of money? _____



6 Who has the largest amount of money? Explain.

7 Challenge Judy has 8¢ more than Kari. Kari has half as much money as Lea. Lea has the same amount of money as Judy. How much money does each girl have?

Judy

Kari

Lea