

Chapter 8 Problems of the Week

1. Newgy has twice as many nickels as dimes, and four times as many pennies as nickels. If she has a total of \$2.80, how many of each coin does she have?

2. Lucia travels from Point A to Point B at 100 km/h. Jack leaves at the same time as Lucia, travelling from Point B to Point A at 50 km/h. The distance from A to B is 100 km. How long after the two leave will they meet on the road?

3. The Fibonacci sequence adds two previous numbers to get a third number. For example:
1, 1, 2, 3, 5, 8, ...

Use this information to obtain the following "Fibonacci" sequence:

4, _____, _____, _____, _____,
_____, 62

4. Find a way of solving for both x and y in the following equations:
 $6751x + 3249y = 26751$ and
 $3249x + 6751y = 23249$.