

Name: _____

Date: _____

Chapter 8 Problems of the Week

1. Newgy has twice as many nickels as dimes. If she has a total of \$2.80, how many of each coin does she have? Show 2 different ways to find the answer.

a) Use guess and check. Complete the table to find the answer.

Dimes	Nickels	Total (\$)
3	$2 \times 3 =$ _____	$(3 \times \$0.10) + (6 \times \$0.05)$ $=$ _____ $+$ _____ $=$ _____

b) Use algebra.

Sentence: _____



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(continued)

2. A car travels 350 km in 4 hours.

a) What is the car's speed?

$$s = \frac{d}{t}$$

Sentence: _____

b) How long will it take to drive 1000 km?
Round your answer to the nearest tenth of an hour.

Sentence: _____

3. This number sequence repeats the first term, then adds the two previous numbers to get a third number.

1, 1, 2, 3, 5, 8, ...

Use this information to complete the following sequence:

4, _____, _____, _____, _____, _____, 52

4. There are 3 more dogs in the neighbourhood than there are cats.
There are a total of 25 cats and dogs in the neighborhood.
How many cats are there?

Sentence: _____

