

1.7 A Problem Solving Plan

Story Problems

4 Step process

1. Read The Problem

- What information is given
- what do we need to find

Started

Items \$12

change \$3

2. Make a Plan

- Verbal Model

Started With - Apple with Bread = change

$$m - 12 = 3$$

$$15 - 12 = 3$$

$$m = \$15$$

- Diagram



The temp at noon is 78°
at 6:00am the temp was 49°
How much did the temp change

$$78 - 49 =$$

- Table

Q	D	T	Jason has 10 coins. He has quarters and dimes that total \$1.75. How many quarters and dimes does he have
10	0	2.50	
9	1	2.35	
8	2	2.20	
7	3	2.05	
6	4	1.90	
5	5	1.75	5 quarters 5 dimes

3. Use the Plan

"Solve"

Get some answer to the problem

4. Recheck

Is the answer reasonable
 "make sense"
 What is my label

hours \$, k
 ft time

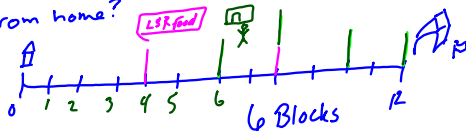
Thomas spent money buying a shirt, socks and a tie. He also bought lunch. He went to the mall with \$29 and came home with \$3. He spent \$12 for the shirt, \$5 for socks, and \$4 on a tie. How much did he spend on lunch?

$$\text{Lunch} = \boxed{\text{How much spent}} - \boxed{\text{How much pd shirt, socks, tie}}$$

$$(\$5) = (29 - 3) - (12 + 5 + 4)$$

$$26 - 21$$

The school is 12 blocks from home
 The store is $\frac{1}{3}$ the distance between home and the school. The Library is $\frac{1}{4}$ the distance from the store to the school. How many blocks is the Library from home?



Sum of two numbers is 23
 The difference of those numbers is 7

	Table		
sum	1	2	Diff
23	23	0	23
23	15	8	7

Ex 1

Steps

1. Read

2. make a Plan

Verbal model

Diagram

Table

$$\boxed{\text{already}} + \boxed{\text{Blocks from store}} = \boxed{\text{Total walked}}$$

3. Use the Plan

"Solve" label

4. Check

