

Model Problem Solving
(Pg. 49 – Problem 14)

1. **Read** the entire problem.

Marissa spent $\frac{2}{3}$ of her money at the mall and had \$10 left. How much money did she spend at the mall?

2. **Rewrite** the question in sentence form, leaving a space for the answer.

3. Determine **“WHO”** and/or **“WHAT”** is involved in the problem.

4. **Draw** a unit bar(s) of equal length.

5. **Chunk** the problem: Read each sentence, one at a time (pause at commas or chunks of information); **adjust** the unit bars, and fill in the **question mark**.

6. Correctly **compute** and solve the problem.

7. **Write** the answer in the sentence, and make sure the answer makes **sense**.

Model Problem Solving
(Pg. 52 – Problem 15)

1. **Read** the entire problem.
A pie was cut into 6 equal pieces. Luke ate $\frac{1}{3}$ of the pie. How many pieces were left?
2. **Rewrite** the question in sentence form, leaving a space for the answer.
3. Determine **“WHO”** and/or **“WHAT”** is involved in the problem.
4. **Draw** a unit bar(s) of equal length.
5. **Chunk** the problem: Read each sentence, one at a time (pause at commas or chunks of information), **adjust** the unit bars, and fill in the **question mark**.
6. Correctly **compute** and solve the problem.
7. **Write** the answer in the sentence, and make sure the answer makes **sense**.

Model Problem Solving
(Pg. 55 – Problem 16)

1. Read the entire problem.

Cal has 2 oranges. He wanted to share $\frac{1}{4}$ of his oranges with his sister, Anna. What fraction of an orange did Cal give to Anna?

2. Rewrite the question in sentence form, leaving a space for the answer.

3. Determine “WHO” and/or “WHAT” is involved in the problem.

4. Draw a unit bar(s) of equal length.

5. Chunk the problem: Read each sentence, one at a time (pause at commas or chunks of information), adjust the unit bars, and fill in the question marks.

6. Correctly compute and solve the problem.

7. Write the answer in the sentence, and make sure the answer makes sense.

Model Problem Solving
(Pg. 58 – Problem 17)

1. **Read** the entire problem.

There is $\frac{1}{2}$ of a candy bar that needs to be divided evenly among 3 children. What fraction of the total candy bar will each child receive?

2. **Rewrite** the question in sentence form, leaving a space for the answer.

3. Determine **“WHO”** and/or **“WHAT”** is involved in the problem.

4. **Draw** a unit bar(s) of equal length.

5. **Chunk** the problem: Read each sentence, one at a time (pause at commas or chunks of information), **adjust** the unit bars, and fill in the **question mark**.

6. Correctly **compute** and solve the problem.

7. **Write** the answer in the sentence, and make sure the answer makes **sense**.

Model Problem Solving
(Pg. 64 – Problem 19)

1. Read the entire problem.

Tiana spent \$58.89 on clothes. She had \$14.66 left. How much money did she have at first?

2. Rewrite the question in sentence form, leaving a space for the answer.

3. Determine "WHO" and/or "WHAT" is involved in the problem.

4. Draw a unit bar(s) of equal length.

5. Chunk the problem: Read each sentence, one at a time (pause at commas or chunks of information), adjust the unit bars, and fill in the question marks.

6. Correctly compute and solve the problem.

7. Write the answer in the sentence, and make sure the answer makes sense.

Model Problem Solving
(Pg. 66 – Problem 20)

1. **Read** the entire problem.

Sam wants to buy a book that costs \$15.99. He has \$8.43 right now. How much more money does Sam need to buy the book?

2. **Rewrite** the question in sentence form, leaving a space for the answer.

3. Determine **“WHO”** and/or **“WHAT”** is involved in the problem.

4. **Draw** a unit bar(s) of equal length.

5. **Chunk** the problem: Read each sentence, one at a time (pause at commas or chunks of information), **adjust** the unit bars, and fill in the **question mark**.

6. Correctly **compute** and solve the problem.

7. **Write** the answer in the sentence, and make sure the answer makes **sense**.

Model Problem Solving
(Pg. 68 – Problem 21)

1. **Read** the entire problem.

An orange rope is 1.3 meters long. A green rope is 3 times as long as the orange rope. What is the combined length of the orange and green ropes?

2. **Rewrite** the question in sentence form, leaving a space for the answer.

3. Determine **“WHO”** and/or **“WHAT”** is involved in the problem.

4. **Draw** a unit bar(s) of equal length.

5. **Chunk** the problem: Read each sentence, one at a time (pause at commas or chunks of information), **adjust** the unit bars, and fill in the **question marks**.

6. Correctly **compute** and solve the problem.

7. **Write** the answer in the sentence, and make sure the answer makes sense.

Model Problem Solving
(Pg. 71 – Problem 22)

1. **Read** the entire problem.

Jiang needs to cut a ribbon into 3 equal pieces. If the ribbon is 2.4 meters long, what should be the length of each piece?

2. **Rewrite** the question in sentence form, leaving a space for the answer.

3. Determine **“WHO”** and/or **“WHAT”** is involved in the problem.

4. **Draw** a unit bar(s) of equal length.

5. **Chunk** the problem: Read each sentence, one at a time (pause at commas or chunks of information), **adjust** the unit bars, and fill in the **question mark**.

6. Correctly **compute** and solve the problem.

7. **Write** the answer in the sentence, and make sure the answer makes **sense**.

Model Problem Solving

There were 3 times as many children as adults at the school book fair. If there were 81 children, what was the ratio of adult's total attendees to children at the book fair?

One-quarter of the florist's 860 flowers are roses. Of all the roses, $\frac{1}{5}$ are long stem. Half of the long-stem roses are red. How many long-stem roses does the florist have?

Model Problem Solving

Marco had \$16. Then he spent $\frac{1}{4}$ of his lunch money on lunch and $\frac{1}{2}$ on a video game. How much money did he have left?

Samantha had 60 beads. Of those beads, $\frac{1}{3}$ were wooden and the rest were glass. Of the glass beads, $\frac{1}{4}$ were red, and the rest were multicolor. How many were multicolor? How many were red?