

**Advanced  
Complete**

# MathSmart®

## **Section 1: Basic Problem-solving Questions**

<b>Unit 1</b>	Counting	8
<b>Unit 2</b>	Addition	16
<b>Unit 3</b>	Subtraction	24
<b>Unit 4</b>	Money	32
<b>Unit 5</b>	Time	40
<b>Unit 6</b>	Length and Area	48
<b>Unit 7</b>	Capacity and Weight	56
<b>Unit 8</b>	Shapes and Solids	64
<b>Unit 9</b>	Patterning	72
<b>Unit 10</b>	Pictograph	80
<b>Unit 11</b>	Probability	88

# Contents

---

## **Section 2:** ***Critical-thinking Questions***

### **Level 1 – with hints**

Unit 1	98
Unit 2	106
Unit 3	114
Unit 4	122
Unit 5	130

### **Level 2 – without hints**

Unit 6	138
Unit 7	146
Unit 8	154
Unit 9	162
Unit 10	170

### **Answers**

179

# 3

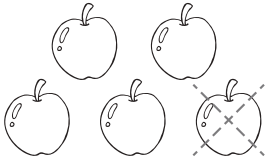
## Subtraction

solving a variety of word problems that involve the subtraction of 1-digit and 2-digit numbers



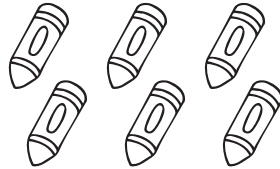
### Math Skills

①



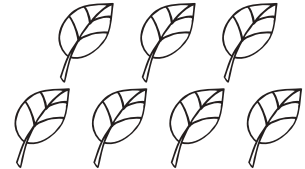
$$5 - 1 = \underline{\quad}$$

②



$$6 - 3 = \underline{\quad}$$

③



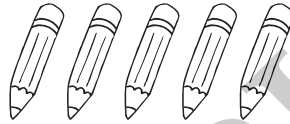
$$7 - 5 = \underline{\quad}$$

④



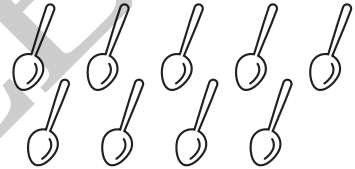
$$4 - 4 = \underline{\quad}$$

⑤



$$5 - 3 = \underline{\quad}$$

⑥



$$9 - 5 = \underline{\quad}$$

⑦

$$7 - 3 = \underline{\quad}$$

⑯

$$\begin{array}{r} 16 \\ - 8 \\ \hline \end{array}$$

⑰

$$\begin{array}{r} 11 \\ - 5 \\ \hline \end{array}$$

⑧

$$9 - 7 = \underline{\quad}$$

⑨

$$6 - 4 = \underline{\quad}$$

⑩

$$9 - 2 = \underline{\quad}$$

⑱

$$\begin{array}{r} 18 \\ - 9 \\ \hline \end{array}$$

⑲

$$\begin{array}{r} 13 \\ - 7 \\ \hline \end{array}$$

⑪

$$8 - 4 = \underline{\quad}$$

⑫

$$13 - 3 = \underline{\quad}$$

⑬

$$14 - 5 = \underline{\quad}$$

⑳

$$\begin{array}{r} 15 \\ - 8 \\ \hline \end{array}$$

㉑

$$\begin{array}{r} 17 \\ - 10 \\ \hline \end{array}$$

⑭

$$10 - 4 = \underline{\quad}$$

⑮

$$12 - 7 = \underline{\quad}$$



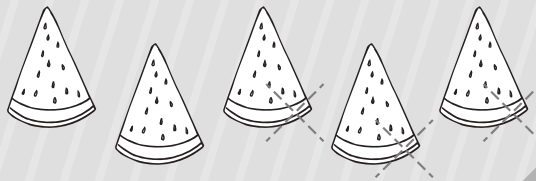
## Problem Solving

### Try This!

There were 5 slices of watermelon. Nathan ate 3 slices. How many slices are left?

#### Solution:

**Step 1:** Draw and cross out the objects.



Remember these keywords. They tell you that a question may involve subtraction.

**Step 2:** Write a number sentence.

$$5 - 3 = \square$$

**Step 3:** Write a concluding sentence.

slices are left.

**left**    **remain**  
**how many more**  
**how many fewer**

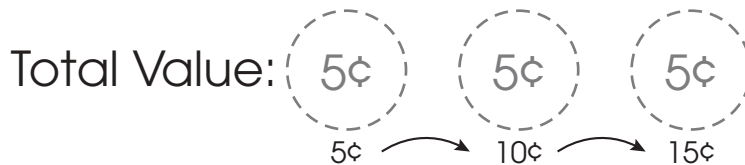
- ① There were 8 carrots. A bunny ate 3 carrots. How many carrots are left?

\_\_\_\_\_ carrots are left.

- ① Joby has 12 nickels. Loretta has 9 fewer nickels than Joby. How much money does Loretta have?

Number of nickels: \_\_\_\_\_ - \_\_\_\_\_

= \_\_\_\_\_



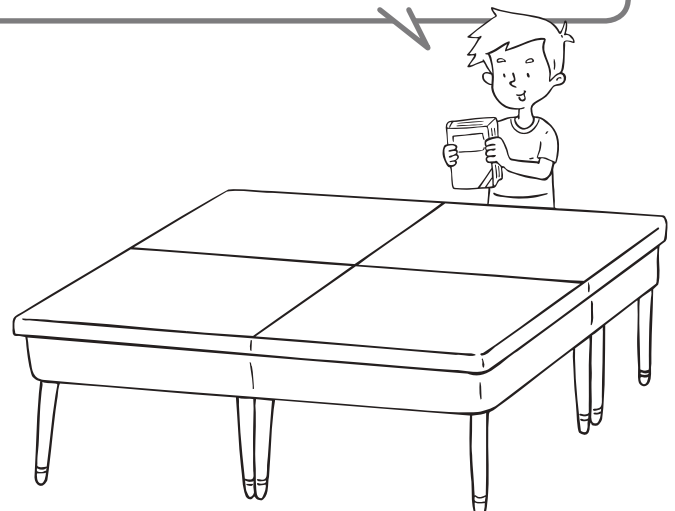
**Hints**

A nickel is worth 5 cents.

Loretta has \_\_\_\_\_.

- ② There are 3 red squares, 5 circles, and 2 green squares. How many squares are there in all?

- ③ 8 books cover one desk. How many books cover 4 desks?



**Topics covered:**

**Question 1**

- subtraction
- money

**Question 2**

- addition
- shapes

**Question 3**

- addition
- area

- ④ A bucket holds as much as 2 bottles and 1 jug. How many glasses of water can the bucket hold?

Capacity of 



Capacity of 



- ⑤ Amanda baked two trays of cookies. Each tray had 9 cookies. She ate 2 cookies. How many cookies remain?

- ⑥ Timothy made a pictograph of the coins in his piggy bank. Is the total value of his nickels greater than his dimes'?

**Coins in Timothy's Piggy Bank**



**Topics covered:**

**Question 4**

- addition
- capacity

**Question 5**

- addition
- subtraction

**Question 6**

- money
- pictographs