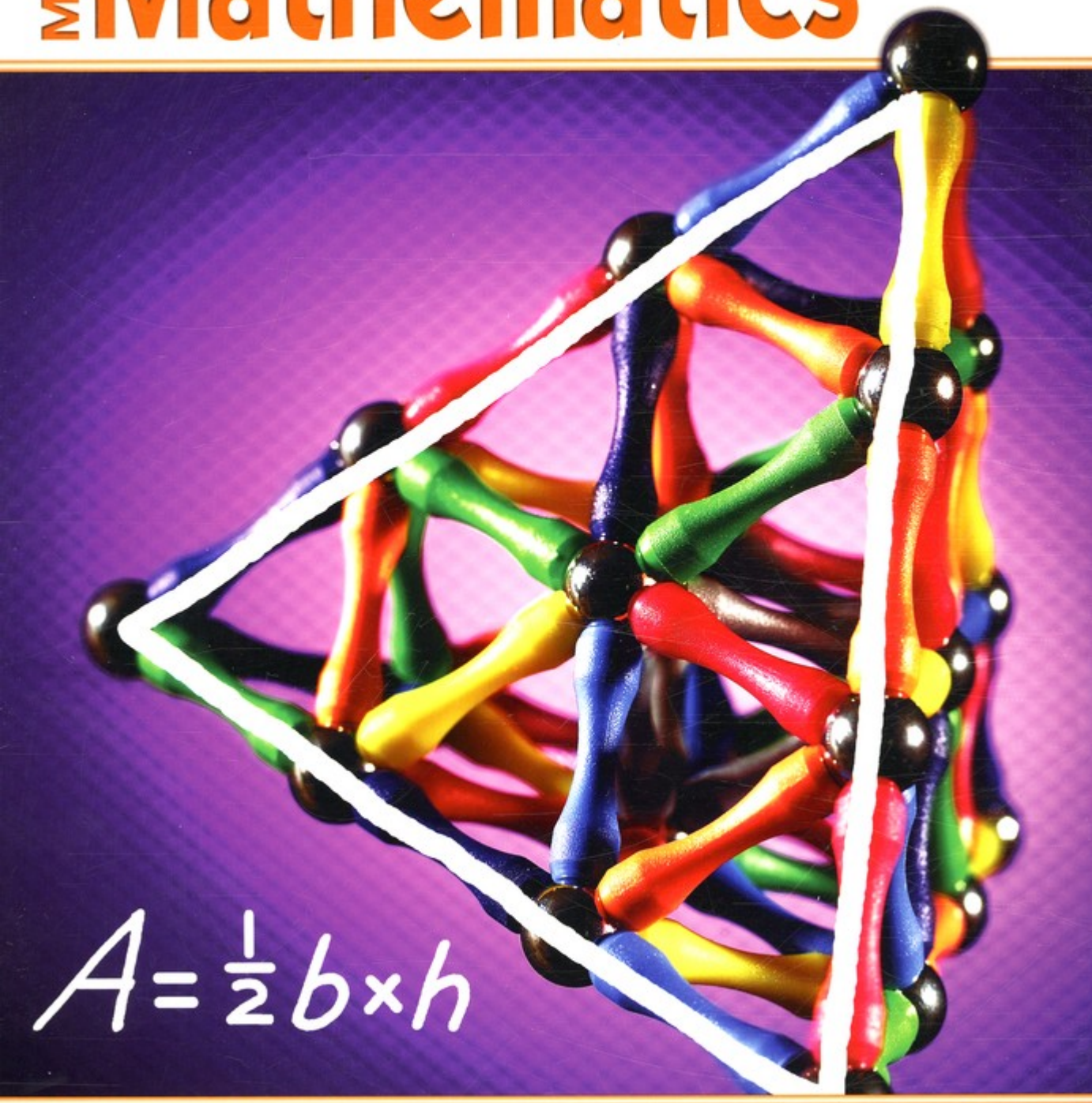
TEACHER'S EDITION Level E

MCP Mathematics



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1-1 Addition and Subtraction Facts

pages 1–2

1 Getting Started

Objective
- To review addition and subtraction fact families

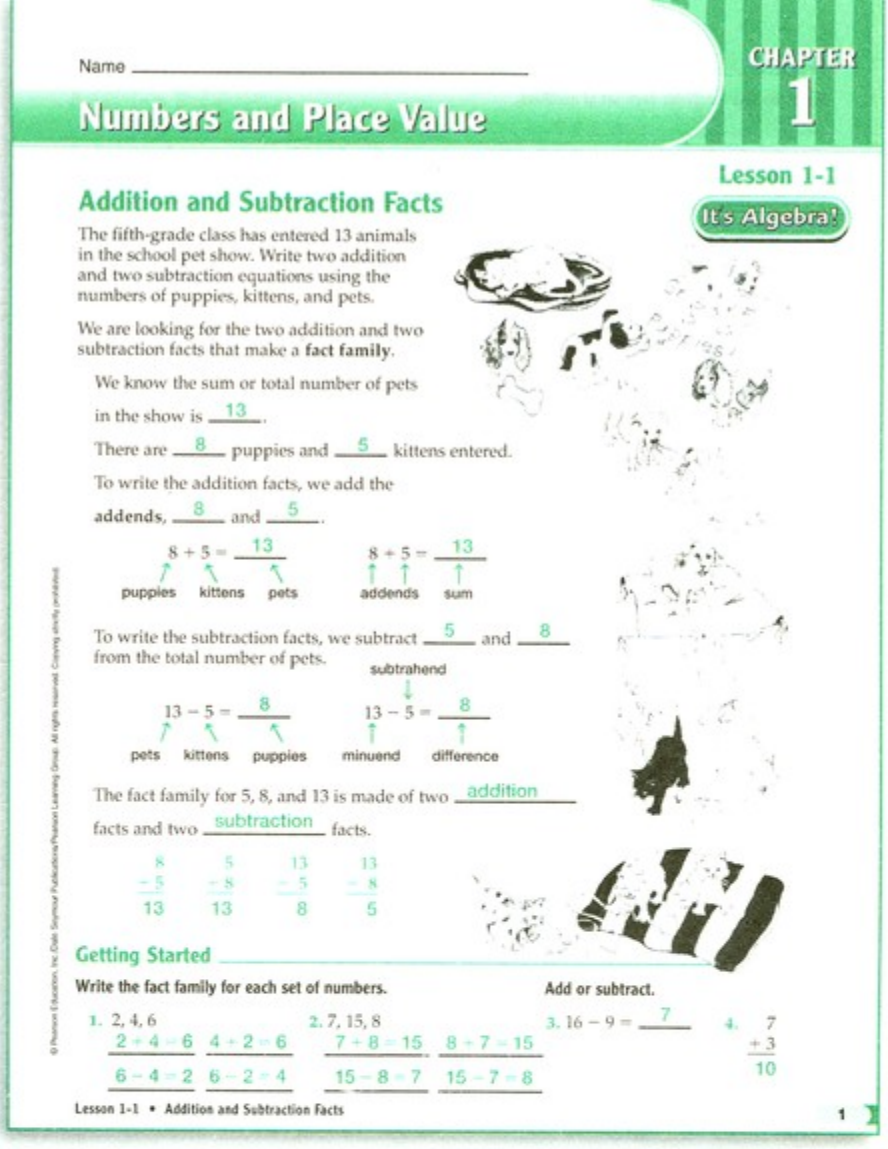
Vocabulary
fact family, sum, addend, minuend, subtrahend, difference

Materials
addition and subtraction flash cards; one-inch graph paper; 3 × 5 cards

Warm Up • Mental Math
Have students find the sum.

1. 3 + 4 + 1 + 0 = (8)
2. 7 + 4 − 2 = (9)
3. 5 + 5 + 5 − 1 = (14)
4. 8 − 3 + 5 − 6 = (4)
5. 10 + 10 − 4 − 1 = (15)
6. 10 + 2 − 0 − 5 = (7)
7. 0 + 4 + 5 − 4 = (5)

Warm Up • Pencil and Paper
Use flash cards to review addition and subtraction facts. Have students give an answer to the problem on the flash card and then make up another problem with the same numbers. For example, if the card reads 3 + 4, the student will answer that 3 + 4 = 7. Making up another problem, the student might write that 4 + 3 = 7 or even that 7 − 3 = 4.



Name _____

CHAPTER 1

Numbers and Place Value

Lesson 1-1

Addition and Subtraction Facts

It's Algebra!

The fifth-grade class has entered 13 animals in the school pet show. Write two addition and two subtraction equations using the numbers of puppies, kittens, and pets.

We are looking for the two addition and two subtraction facts that make a **fact family**.

We know the sum or total number of pets in the show is 13.

There are 8 puppies and 5 kittens entered.

To write the addition facts, we add the addends, 8 and 5.

8 + 5 = 13 (puppies, kittens, pets)

8 + 5 = 13 (addends, sum)

To write the subtraction facts, we subtract 5 and 8 from the total number of pets.

13 − 5 = 8 (pets, kittens, puppies)

13 − 5 = 8 (subtrahend; minuend, difference)

The fact family for 5, 8, and 13 is made of two addition facts and two subtraction facts.

8 + 5 = 13 | 5 + 8 = 13 | 13 − 5 = 8 | 13 − 8 = 5

Getting Started

Write the fact family for each set of numbers.

1. 2, 4, 6: 2 + 4 = 6, 4 + 2 = 6, 6 − 4 = 2, 6 − 2 = 4
2. 7, 15, 8: 7 + 8 = 15, 8 + 7 = 15, 15 − 8 = 7, 15 − 7 = 8

Add or subtract.

3. 16 − 9 = 7
4. 7 + 3 = 10

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Lesson 1-1 • Addition and Subtraction Facts 1

2 Teach

Introduce the Lesson Read the problem aloud while students examine the illustration. Have students read and complete the information sentences.

- Read the next sentence aloud and write on the board **8 + 5 = 13, 5 + 8 = 13**, labeling the number sentences as they appear in the text. Ask a student to point to addends and sum in each sample.
- Read the next sentence aloud with students and write the subtraction facts on the board. Have a student label them as they appear in the book.
- Have students complete the fact family.

Develop Skills and Concepts Use an overhead projector to show the chart below. Find an addend (3) along the top and another (5) along the side. Follow the row and column to find where they cross at the sum (8).

- Find a subtrahend along the top, read down to find the minuend, and follow the row to the left-hand edge to find the difference.

	0	1	2	3	4	5	6	7	8	9
0	0	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9	10
2	2	3	4	5	6	7	8	9	10	11
3	3	4	5	6	7	8	9	10	11	12
4	4	5	6	7	8	9	10	11	12	13
5	5	6	7	8	9	10	11	12	13	14
6	6	7	8	9	10	11	12	13	14	15
7	7	8	9	10	11	12	13	14	15	16
8	8	9	10	11	12	13	14	15	16	17
9	9	10	11	12	13	14	15	16	17	18