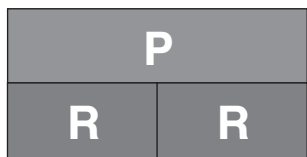


Adding with Cuisenaire® Rods

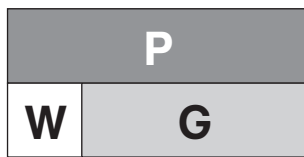
Write an addition sentence for each picture.

1.

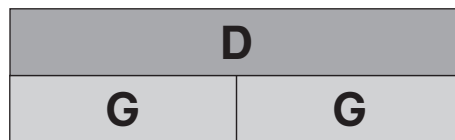


$R + R = P$

2.



3.



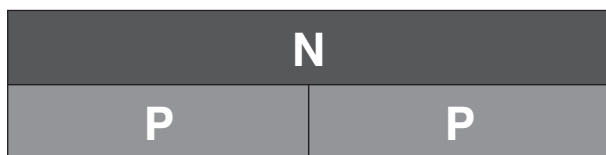
4.



5.



6.



7.



Exploring Fact Families

What is the fact family for each picture?

1.



_____ + Y = _____

_____ - Y = _____

Y + _____ = _____

_____ - _____ = Y

2.



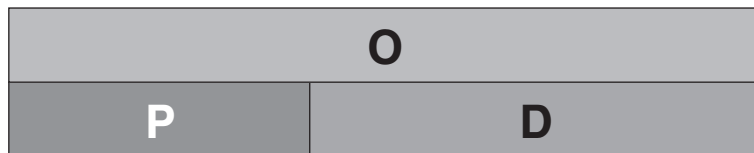
G + _____ = _____

_____ - _____ = _____

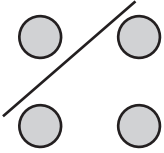
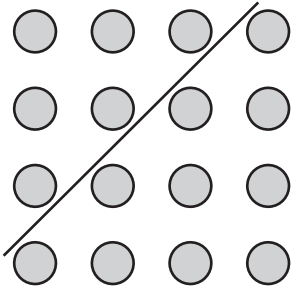
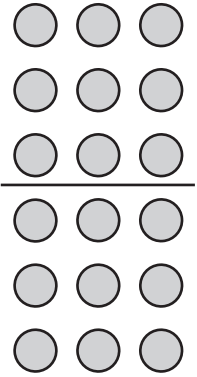
_____ + _____ = _____

_____ - _____ = _____

3.



Connecting Addition and Subtraction

Picture	Complete each sentence. Circle the sentence that matches the picture.	Write the fact family for the picture.
<p>1.</p> 	<p>4 + 1 = _____</p> <p>9 - _____ = 5</p> <p>4 = _____ + 1</p> <p>_____ = 3 - 1</p>	<p>_____ + _____ = _____</p> <p>_____ + _____ = _____</p> <p>_____ - _____ = _____</p> <p>_____ - _____ = _____</p>
<p>2.</p> 	<p>_____ - 10 = 6</p> <p>8 + 8 = _____</p> <p>10 - 6 = _____</p> <p>_____ = 9 + 5</p>	<p>_____ + _____ = _____</p> <p>_____ + _____ = _____</p> <p>_____ - _____ = _____</p> <p>_____ - _____ = _____</p>
<p>3.</p> 	<p>9 - 3 = _____</p> <p>_____ - 9 = 3</p> <p>9 + 9 = _____</p> <p>_____ = 10 + 8</p>	<p>_____ + _____ = _____</p> <p>_____ + _____ = _____</p> <p>_____ - _____ = _____</p> <p>_____ - _____ = _____</p>

Adding and Subtracting Using 5 and 10

Write the total number of dots below and to the right of the boxes.

1.

● ● ● ● ● ● ● ●	● ●	
● ● ● ● ● ● ● ●	● ●	7
10		14

2.

● ● ● ● ● ● ● ●	●	
● ● ● ● ● ● ● ●	●	

3.

● ● ● ● ● ● ● ●	● ● ● ●	
● ● ● ● ● ● ● ●	● ● ● ●	

4.

● ● ● ● ● ● ● ●	● ● ● ●	
● ● ● ● ● ● ● ●	● ● ● ●	

5.

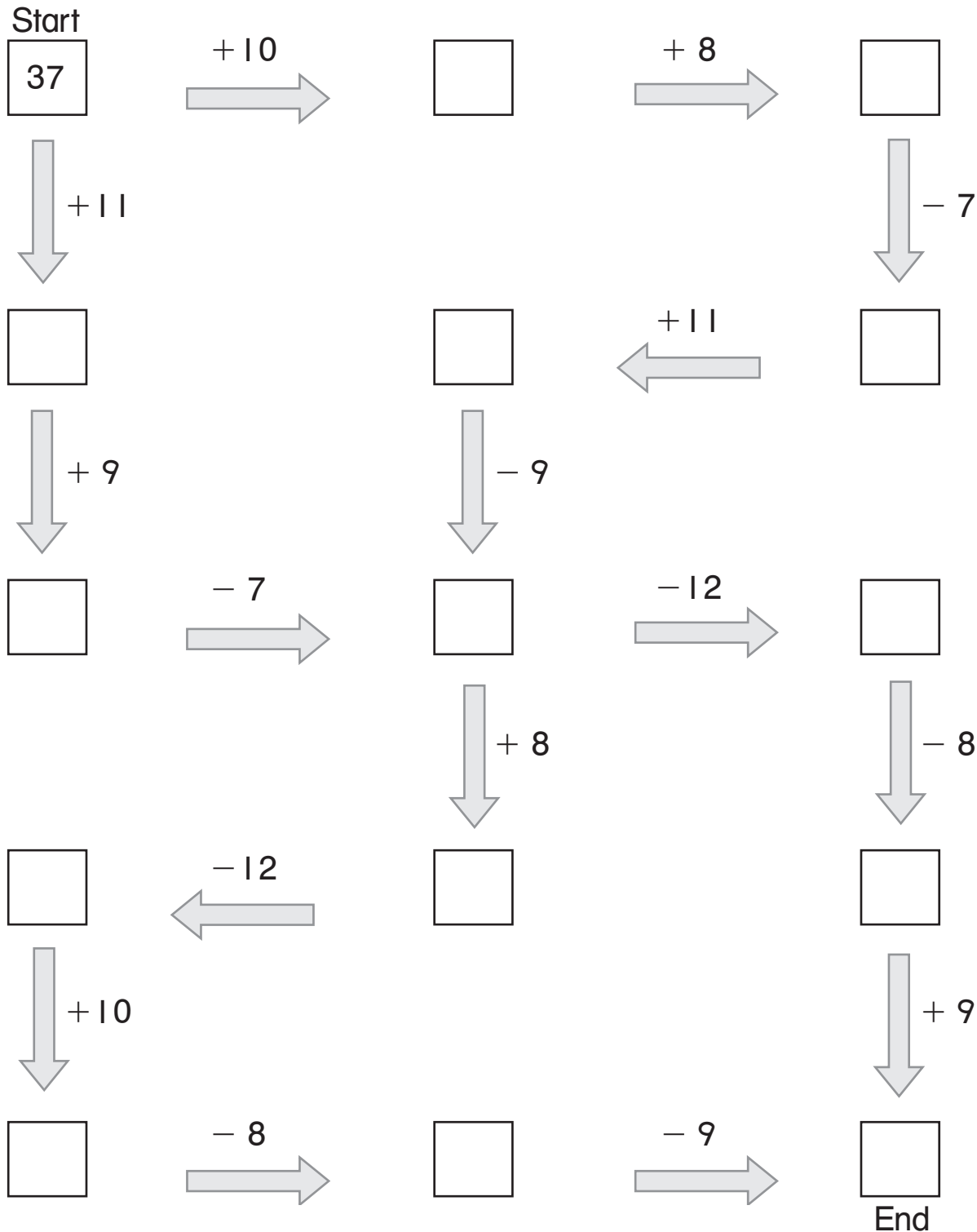
● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ●	● ● ● ●	
● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ●	● ● ● ●	

6. $15 + 8 = \underline{\hspace{2cm}}$

7.
$$\begin{array}{r} 7 \\ +25 \\ \hline \end{array}$$

Adding and Subtracting Numbers Near 10

What is missing?



Place Value and Cross Number Puzzles

What is missing? Write the numbers.

1.

30	9	39
20	6	26

2.

30	8	38
10	4	
	12	

3.

20	4	24
20	4	
40		

4.

30	2	
30	2	
60	4	

5.

40	0	
20	4	
60	4	

6.

40	8	48
10	6	
	14	

Breaking Numbers Apart

What is missing? Solve each problem.

1.

$\begin{array}{r} 16 \\ + 25 \\ \hline \end{array}$	⇒	$\begin{array}{r} 10 + \\ + \quad + 5 \\ \hline + \end{array}$	⇒	$\begin{array}{r} - 4 \\ + \quad - 5 \\ \hline - \end{array}$
---	---	--	---	---

2.

$\begin{array}{r} 22 \\ + 19 \\ \hline \end{array}$	⇒	$\begin{array}{r} \quad + 11 \\ + 10 + \\ \hline + \end{array}$	⇒	$\begin{array}{r} - 8 \\ + 20 - \\ \hline - \end{array}$
---	---	---	---	--

3.

$\begin{array}{r} 38 \\ + 14 \\ \hline \end{array}$	⇒	$\begin{array}{r} 19 + \\ + \quad + 7 \\ \hline + \end{array}$	⇒	$\begin{array}{r} 40 - \\ + 20 - \\ \hline - \end{array}$
---	---	--	---	---

4. Complete the Cross Number Puzzle to solve the addition.

$$\begin{array}{r} 18 \\ + 82 \\ \hline \end{array}$$

10		18
	2	82
90	10	

Using Cross Number Puzzles to Subtract

Write the missing numbers.

 boxes can contain only ones from 0 to 9.

 boxes can contain only tens from 0 to 90.

1.

54	50	4
37	30	7

54
+ 37
—

2.

84		14
39	30	9
	40	5

84
− 39
—

3.

20	4	24
30	7	37

24
+ 37
—

4.

38	30	8
15	10	5

38
+ 15
—

5.

58		
32	30	2
	20	6

58
− 32
—

6.

		74
30	9	39
30	5	

74
− 39
—

Comparing Mathematical Expressions

Make each sentence true. Write $>$, $<$, or $=$.

1. $10 + 6$ $9 + 6$

7. $16 - 9$ $16 - 10$

2. $9 + 7$ $10 + 6$

8. $16 + 10 - 1$ $16 + 9$

3. $8 + 8$ $7 + 8$

9. $87 + 78$ $88 + 79$

4. $7 + 1 + 8$ $8 + 8$

10. $87 - 48$ $87 - 50$

5. $9 + 9$ $10 + 10 - 1$

11. $87 - 48$ $88 - 50$

6. $6 + 8$ $7 + 7$

12. $87 - 48$ $89 - 50$

Creating and Solving Story Problems

Michele wants to knit a scarf.

She needs 2 balls of yarn.

A ball of yarn costs 47¢.

1. Circle a question that can be answered from the story.
 - How long will it take Michele to knit the scarf?
 - How much change will Michele get when she buys the yarn?
 - How much money will Michele spend to buy the yarn for the scarf?
2. Write a number sentence to match the question you circled. Solve the problem.

What number sentence matches each story?

3. Sam read for 25 minutes. Lisa read for 30 minutes. How much longer did Lisa read than Sam? $30 - 25 = \underline{\hspace{2cm}}$
4. Ms. Smith's class sold 30 berry muffins at a bake sale. They sold 25 cherry muffins. How many berry and cherry muffins did they sell? $30 - 5 = \underline{\hspace{2cm}}$
5. Fred had 30 baseball cards. He sold 5 of them. How many cards does he still have? $30 + 25 = \underline{\hspace{2cm}}$

Strategies for Multiple-Choice Questions

Fill in the bubble for each correct answer.

1.
$$\begin{array}{r} 18 \\ + 17 \\ \hline \end{array}$$

(A) 19

(B) 26

(C) 35

(D) 60

2. $60 - 20 = \underline{\hspace{2cm}}$

(A) 4

(C) 80

(B) 40

(D) 400

3.
$$\begin{array}{r} 35 \\ - 8 \\ \hline \end{array}$$

(A) 43

(B) 37

(C) 27

(D) 3

4. $16 + 27 = \underline{\hspace{2cm}}$

(A) 9

(C) 43

(B) 33

(D) 313

5.
$$\begin{array}{r} 42 \\ + 34 \\ \hline \end{array}$$

(A) 8

(B) 12

(C) 67

(D) 76

6.
$$\begin{array}{r} 62 \\ - 15 \\ \hline \end{array}$$

(A) 47

(B) 53

(C) 57

(D) 77