First to 5 (or 10)

Check Understanding

Ask: *What is 35 + 39? 48 − 32? Explain how you found each answer.*

What You Need

- 10 counters (or 20)
- Number Cards
- Operation Cards

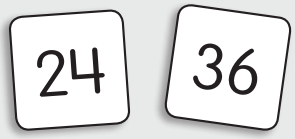
What You Do

1. Shuffle the **Operation Cards** and place them facedown in a pile. Shuffle the **Number Cards** and place them facedown in another pile.
2. Take turns. Take one **Operation Card** and two **Number Cards**.
3. If you pick a plus symbol, then add the two numbers. If you pick a minus symbol, then subtract the lesser number from the greater number.
4. Your partner checks your answer.
5. If you are correct, take a counter. The first partner to get 5 (or 10) counters wins.

Example

Take an Operation Card. 

Take two Number Cards.



It is a subtraction problem. Subtract the lesser number from the greater number.

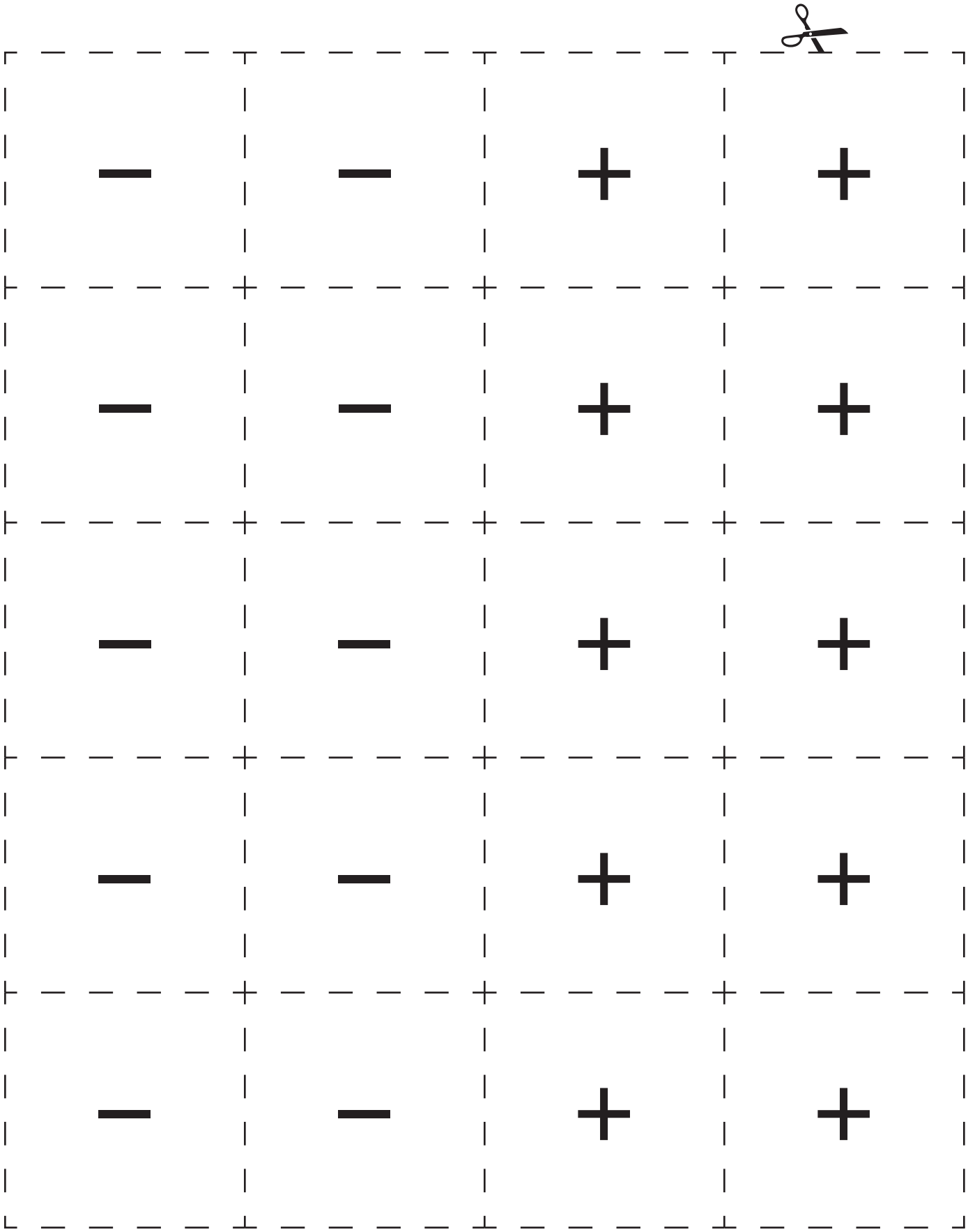
Solve: 36 − 24 = 12

If you are correct, take a counter.

Go Further!

Tell your partner a subtraction or addition story that matches the problem you have solved.

Center Activity 2.56 ★★ Operation Cards



Center Activity 2.56 ★★ Number Cards

12	20	30	40
13	21	32	43
15	24	35	44
18	25	36	47
19	27	39	48

Word Problem Race

Check Understanding

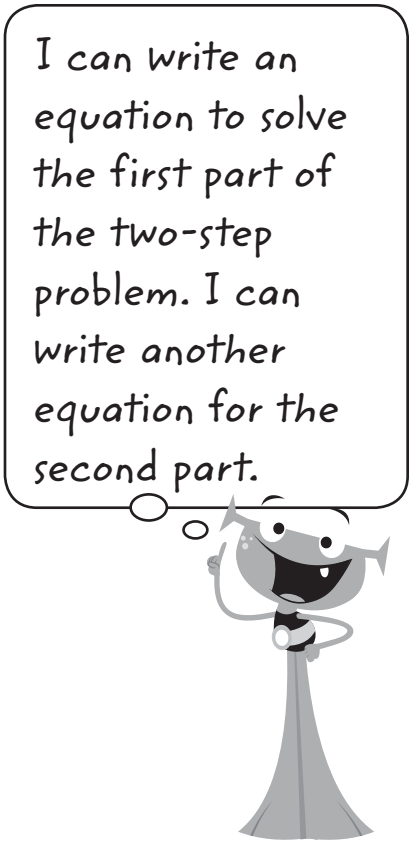
Ask: *Gino wins 12 tickets in one game and 24 tickets in another game. After a third game he has 50 tickets. How many tickets does he win at the third game?*

What You Need

- One-Step Word Problem Cards
- Two-Step Word Problem Cards
- 2 Game Boards
- Counters

What You Do

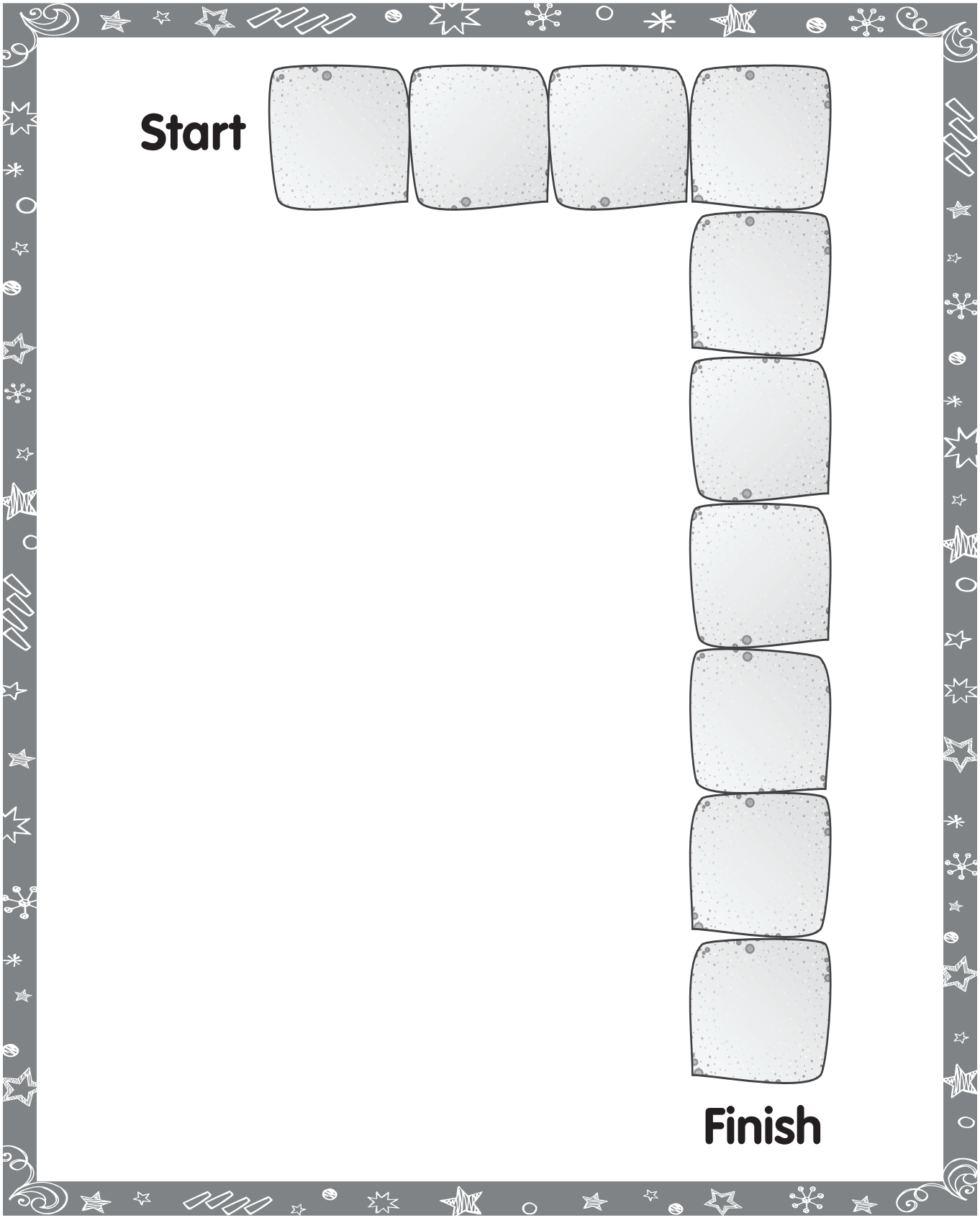
1. Shuffle the **One-Step Word Problem Cards** and place them facedown in a pile. Shuffle the **Two-Step Problem Word Cards** and place them facedown in a pile.
2. Each partner places a counter at the start of his or her **Game Board**.
3. Take turns. Choose a **One-Step Word Problem Card** or a **Two-Step Word Problem Card**. Read the problem aloud.
4. Solve the problem. Your partner checks the answer.
5. If you solve a one-step problem correctly, move forward one space. If you solve a two-step problem correctly, move forward two spaces.



Go Further!

Tell your partner your own one-step or two-step word problem to solve.

Center Activity 2.57 ★★ Game Board



Joe has 23 fiction books and 16 nonfiction books. How many books does Joe have in all?

Kelly makes 43 bracelets. She gives 21 away. How many does Kelly have left?

A sunflower is 34 inches tall. It then grows to be 57 inches. How many inches did the sunflower grow?

A flower grows 18 centimeters. It then grows 14 centimeters more. How tall is the flower now?

There are 53 people on a bus. 33 people get off. How many people are on the bus now?

A necklace has 67 small beads and 24 large beads. How many beads are there in all?

Kai picks 42 red apples and 51 green apples. How many apples does Kai pick?

37 crackers are on a plate. 28 crackers are eaten. How many crackers are left?

A wall has 48 red bricks and 38 white bricks. How many bricks are in the wall in all?

Lee makes 86 cupcakes for a bake sale. 8 cupcakes are left after the sale. How many were sold?

Amy walks for 14 minutes, runs for a while, and then walks for 24 minutes. Her total time was 60 minutes. How many minutes did she run?

There are 62 people on a train. 43 people get off. 27 people get on. How many people are on the train now?

There are 25 red flowers, 28 blue flowers, and some yellow flowers. There are 78 flowers in all. How many flowers are yellow?

An orchard has 40 apple trees and 25 pear trees. 14 more trees are planted. How many trees are in the orchard in all?

Mal sells 22 oranges and 47 cherries. Becca sells 72 strawberries. How many more pieces of fruit does Becca sell than Mal?

Kevin has 95 tickets. He gives away 37 tickets in the morning. He gives away 39 tickets in the afternoon. How many tickets does Kevin have left?

Riaz scores 24 points in a game. Erin scores 12 more points than Riaz. Juanita scores 15 more points than Erin. How many points does Juanita score?

A ride has spaces for 75 people. 42 people get on. Then 25 more people get on. How many spaces are left on the ride?

The museum has 44 visitors on Monday, 26 visitors on Tuesday, and 38 visitors on Wednesday. How many visitors does the museum have in all?

Sara has 87 stickers. She gives away 32 stickers. Then she buys 11 more stickers. How many stickers does Sara have now?

3 in a Row

Check Understanding

Write 478. Have students add 100 and subtract 100.

What You Need

- 20 two-color counters
- Three-Digit Number Cards
- Game Board

What You Do

1. Shuffle the **Three-Digit Number Cards** and place them facedown in a pile. Take turns.
2. Take a **Number Card** and choose a square on the **Game Board**.
3. Make an equation using the **Number Card** and the number and operation on the square. Find the sum or difference.
4. Your partner checks your answer. If your answer is correct, place a counter on the square you chose.
5. The first partner to place 3 counters in a row wins.

Example

Choose a number. 642

Choose a square on the game board. − 100

Solve.

642 − 100 = 542

Place a counter on the square you chose.

Go Further!

Say a number between 400 and 600. Do the following to your number without writing anything: Add 10. Add 100. Subtract 10. Subtract 100.

Center Activity 2.58 ★★ Game Board

+ 10	− 100	+ 100	− 10	+ 10
+ 100	− 10	− 100	+ 10	− 10
− 10	+ 100	+ 10	− 100	+ 100
− 100	+ 10	+ 100	− 10	− 100
+ 10	− 100	− 10	+ 100	+ 10

Center Activity 2.58 ★★ 3-Digit Number Cards

367	528	842	630	419
163	284	749	493	372
571	837	642	176	265
317	587	856	623	459
159	272	592	382	408

3-Digit Slam

Check Understanding

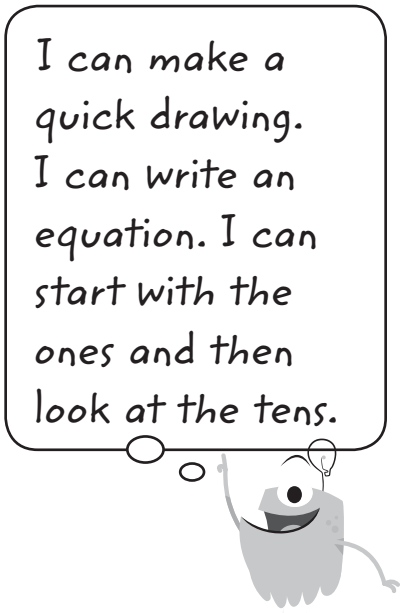
Find 145 + 238. Find 548 − 419.

What You Need

- base-ten blocks
- 10 counters
- Operation Cards

What You Do

1. Place the **Operation Cards** facedown in a pile. Take turns.
2. Write two three-digit numbers between 100 and 500. Show them to your partner.
3. Your partner turns over an **Operation Card** and uses it to solve a problem with the numbers you chose. If it is a plus sign, your partner adds the two numbers. If it is a minus sign, your partner subtracts the lesser number from the greater number. Your partner may use paper, pencil, and base-ten blocks to help solve the problem.
4. Check your partner's answer using base-ten blocks. If it is correct, say "Slam!" and your partner takes a counter. If it is not correct, show them the correct answer and you take a counter.
5. Partners switch roles and repeat. The first partner to get 5 counters wins.



Go Further!

Tell an addition or a subtraction story for your partner to solve using numbers between 200 and 700.

Center Activity 2.59 ★★ Operation Cards