

# How Many More?



**Topic:** Subtraction facts

**Object:** Cover three numbers in a row.

**Groups:** Pair players or 2 players

## Materials for each group

- *How Many More to Make 12?* Gameboard, p. 38
- Markers (different color for each pair)
- Number cube (1–6)
- Paper for recording equations

## Directions

1. The first pair rolls the number cube and decides how many more are needed to make 12. Pair places a marker on a gameboard number that represents the missing amount.

**Example:** If 3 is rolled, 9 is needed to make 12. The pair covers one of the 9s on the gameboard.

2. Pairs are required to say aloud and record the related subtraction fact for each turn on a separate sheet of paper.

**Example:** If 3 is rolled, a pair states and records  $12 - 3 = 9$ .

3. Pairs alternate turns and follow this procedure until one pair wins by placing three markers in a row horizontally, vertically, or diagonally.

## Making Connections

Promote reflection and make mathematical connections by asking:

- What strategies did you use in placing your markers?
- Which numbers seemed easier to cover than others?
- Was it difficult to block your opponent? Why or why not?

### KEY STANDARD

Determine the unknown whole number in an addition or subtraction equation relating three whole numbers. (1.OA.D.8)

**Tip** To provide practice with more difficult facts, select Gameboards 13, 14, 15, 16 (pages 39–40), all of which are designed to be used with two sets of Digit Cards (4–9 only) or a 4–9 number cube.

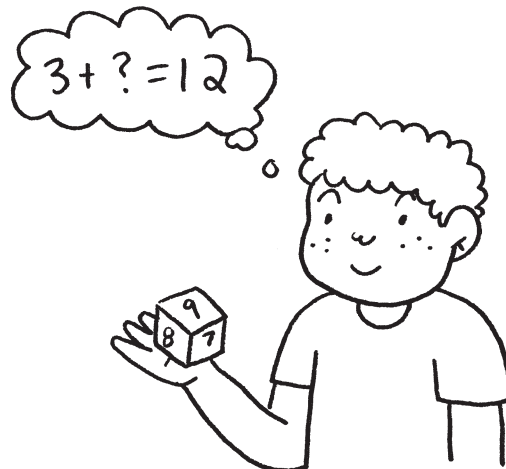
12

|    |    |    |    |
|----|----|----|----|
| 8  | 7  | 10 | 7  |
| 6  | 8  | 9  | 11 |
| 10 | 9  | 10 | 8  |
| 7  | 11 | 6  | 9  |



# How Many More to Make 12?

|    |    |    |    |
|----|----|----|----|
| 8  | 7  | 10 | 7  |
| 6  | 8  | 9  | 11 |
| 10 | 9  | 10 | 8  |
| 7  | 11 | 6  | 9  |





**How Many More?**



**How Many More?**

13

14

|   |   |   |   |   |
|---|---|---|---|---|
| 7 | 9 | 6 | 4 | 8 |
| 8 | 4 | 5 | 9 | 6 |
| 6 | 7 | 4 | 8 | 5 |
| 4 | 9 | 8 | 7 | 6 |
| 5 | 6 | 9 | 5 | 7 |

|    |    |    |    |   |
|----|----|----|----|---|
| 5  | 8  | 9  | 6  | 7 |
| 10 | 6  | 10 | 8  | 9 |
| 9  | 7  | 5  | 10 | 6 |
| 6  | 10 | 7  | 9  | 5 |
| 8  | 5  | 10 | 7  | 8 |



**How Many More?****How Many More?**

15

|    |    |    |   |    |
|----|----|----|---|----|
| 10 | 8  | 7  | 9 | 11 |
| 7  | 6  | 9  | 8 | 7  |
| 11 | 9  | 8  | 6 | 9  |
| 6  | 7  | 9  | 8 | 10 |
| 8  | 11 | 10 | 7 | 6  |

16

|    |    |    |    |    |
|----|----|----|----|----|
| 10 | 7  | 11 | 9  | 12 |
| 8  | 12 | 8  | 7  | 11 |
| 11 | 9  | 12 | 8  | 10 |
| 7  | 10 | 8  | 9  | 7  |
| 12 | 7  | 11 | 10 | 9  |



# Digit Cards

0

1

2

3

4

5

6

7

8

9