# Total Recall

**You need** ☑ a classmate     ☑ 3 dice numbered 1–6     ☑ a photocopy of the game board
☑ 15 counters for each player (a different colour for each player)
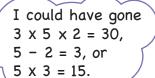
I threw 5, 2, and 3.
5 x 3 + 2 = 17, so I can
put a counter on 17.

I could have gone
3 x 5 x 2 = 30,
5 − 2 = 3, or
5 x 3 = 15.

## Game

Alisi and Jonathan have made up a game to practise recalling their basic facts.

### Here are their rules:

- Take turns to roll all three dice.
- You can use 2 or 3 of the three numbers you throw.
- You can use the same or a mixture of different operations (+, −, x, and ÷) on your turn, but you can use each dice number only once in that turn.
- If you can't cover a number on the board on your turn, you miss that turn.
- The first player to get 4 counters in a row, vertically, horizontally, or diagonally, is the winner.

I threw 3, 2, and 4. I want a
middle number like 16 or 20.
(3 + 2) x 4 = 20

### The board numbers are:

| 6 | 26 | 24 | 1 | 30 | 2 |
|----|----|----|----|----|----|
| 19 | 45 | 48 | 17 | 9 | 21 |
| 12 | 35 | 16 | 28 | 13 | 15 |
| 10 | 4 | 32 | 20 | 25 | 27 |
| 6 | 3 | 5 | 22 | 8 | 36 |
| 23 | 11 | 0 | 14 | 31 | 18 |

Play Alisi and Jonathan's game with a classmate.  As you play, tell each other your equations.

Using basic facts