

a.6, A.1.D,

A.5.C, A.6.B

TEKS

Using ALTERNATIVE METHODS

Another Way to Solve Example 5, page 295

MULTIPLE REPRESENTATIONS In Example 5 on page 295, you saw how to solve a problem about BMX racing using an equation. You can also solve this problem using a graph or a table.

PROBLEM

BMX RACING In Bicycle Moto Cross (BMX) racing, racers purchase a one year membership to a track. They also pay an entry fee for each race at that track. One racer paid a total of \$125 after 5 races. A second racer paid a total of \$170 after 8 races. How much does the track membership cost? What is the entry fee per race?

METHOD 1

Using a Graph One alternative approach is to use a graph.

- **STEP 1** Read the problem. It tells you the number of races and amount paid for each racer. Write this information as ordered pairs.
- Racer 1: (5, 125) Racer 2: (8, 170)

3 races

8

x

5

Number of races



0 0