Answers and talk notes

Analyze Graphs of Relationships Between Two Variables

What your student is learning

Tonight we turn a table into a graph. Each row of the table becomes one point on the coordinate plane.

Answers

Ask your student to explain before you look.

1. **B.** (3, 6). (3, 6) is correct, because an ordered pair is written (x, y).
2. **A.** 2. 2 is the independent value, because it is the first number in the pair.
3. **C.** Right 4, up 1. Right 4, up 1, because x tells how far to go right and y tells how far to go up.
4. **D.** (2, 6). (2, 6) comes from x = 2, because y is 6 in that row.
5. **A.** (0, 4). (0, 4) is on the vertical axis, because its x-value is 0.

Talk about it

Which quantity do you choose first, the tickets or the cost?

Home mission

On the back of an envelope, write a ticket table: 1 ticket $45, 2 tickets $90, 3 tickets $135. Ask your student for the three points, tickets first. Then ask what to write on each axis.

When they are stuck, ask

- Which quantity goes first in the pair?
- What does one row of the table become on the graph?
- Are both axes labeled?

Try not to say

- Plot the bigger number first.
- You do not need to label the axes.
- Connect the dots any way you like.