

**A.** I can determine whether two quantities are proportional by examining the relationship given in a table.

**B.** I can determine whether two quantities are proportional by examining the relationship given a graph. Look at each table. Tell if the relationship displayed in the table is proportional or not. Show how you know. Then answer the questions.

Pencil	Cost
2	10
3	15
5	25
7	35
9	45
10	50
12	60

1. Is this relationship proportional?

How do you know?

Is the cost per pencil the same in each case?

If so, what is the cost per pencil?

Graph this relationship.

How is the cost per pencil represented on your graph?

Rides	Money Spent
1	\$3
2	\$5
3	\$7
4	\$9
5	\$11
6	\$13
7	\$15

2. Is this relationship proportional?

How do you know?

Is the money spent per ride the same in each case?

If so, what is the money spent per ride?

Graph this relationship.

3. How are the graphs the same? (Think of at least two things.)

4. How are the graphs different? (Think of at least two things.)