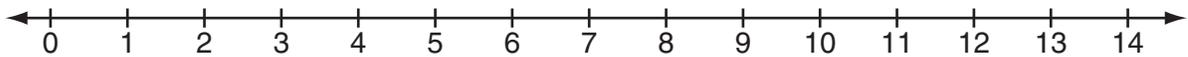
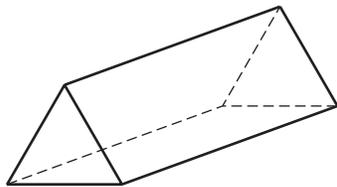


- 11 Look at this number line.



Draw a point for the number  $\frac{13}{4}$  on the number line.

- 12 Look at this three-dimensional figure.



How many vertices does the figure have?

- 13 A square is divided into two triangles by one of its diagonals.
- Use one of the words *acute*, *obtuse*, or *right* to tell what kind of triangles are formed. Explain your answer.

Another square is divided into two triangles by one of its diagonals.

- Use one of the words *equilateral*, *isosceles*, or *scalene* to tell what kind of triangles are formed. Explain your answer.



- 14 Five people applied for jobs at a store. Only two of these five people will be hired. How many different pairs of people could be hired? Show your work or explain how you know.
- 15 The cost, in dollars, for school groups to go to a museum can be calculated by using the expression  $10t + 5s$ , where  $t$  is the number of teachers and  $s$  is the number of students.
- Jamestown School has a group of 3 teachers and 40 students going to the museum. How much will it cost, in dollars, for the group from Jamestown School to go to the museum?
  - The total cost for a group from Martinsburg School to go to the museum is \$290. If there are 50 students in this group, how many teachers are in the group? Show your work or explain how you know.
  - Fill in the chart below to show three different possible groups of teachers and students that would be charged exactly \$125 to go to the museum.

|         | <b>Number of Teachers</b> | <b>Number of Students</b> | <b>Total Cost</b> |
|---------|---------------------------|---------------------------|-------------------|
| Group 1 |                           |                           | \$125             |
| Group 2 |                           |                           | \$125             |
| Group 3 |                           |                           | \$125             |