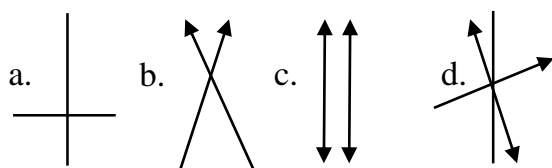# tutorified

4.G.A.1 Parallel, Perpendicular, and Intersecting Lines

4.G.A.1: Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.

Give what is asked in each item and then write your answers on the space provided.

1. Identify whether the figures are intersecting, parallel, or perpendicular.

a.   b.   c.   d.

Answers:
a. _____   c. _____
b. _____   d. _____

2. Write True if the statement is true and false if otherwise.

   a.   Some parallel lines intersect with each other.   _____

   b.   All perpendicular lines intersect.   _____

   c.   Two parallel lines will never meet.   _____

3. How many angles are formed by the intersection of two perpendicular lines?

4. What do you call the lines that will form four right angles in their intersection?
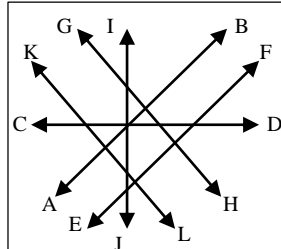
5. Draw the following pairs of lines.

   a.   perpendicular lines AX and BY

   b.   parallel lines FN and JS

   c.   intersecting lines KL and MN

Answers:
a.   b.   c.

6. Identify two pairs of parallel lines in the following figure.
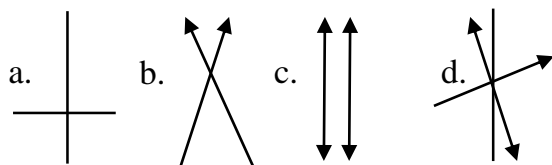
Answers:

4.G.A.1 Parallel, Perpendicular, and Intersecting Lines

Answer Key

4.G.A.1: Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.

Give what is asked in each item and then write your answers on the space provided.

1. Identify whether the figures are intersecting, parallel, or perpendicular.

a.   b.   c.   d.

Answers:
a. perpendicular   c.   parallel
b. intersecting   d. intersecting

2. Write True if the statement is true and false if otherwise.

a. Some parallel lines intersect with each other.   False
b. All perpendicular lines intersect.   True
c. Two parallel lines will never meet.   True

3. How many angles are formed by the intersection of two perpendicular lines?

4
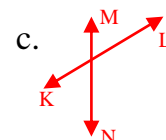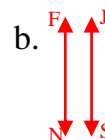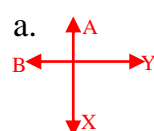
4. What do you call the lines that will form four right angles in their intersection?
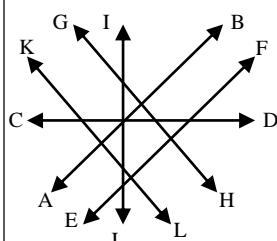
perpendicular lines

5. Draw the following pairs of lines.

a. perpendicular lines AX and BY
b. parallel lines FN and JS
c. intersecting lines KL and MN

Answers:
a.   b.   c.

6. Identify two pairs of parallel lines in the following figure.

Answers:

AB and EF, GH and KL