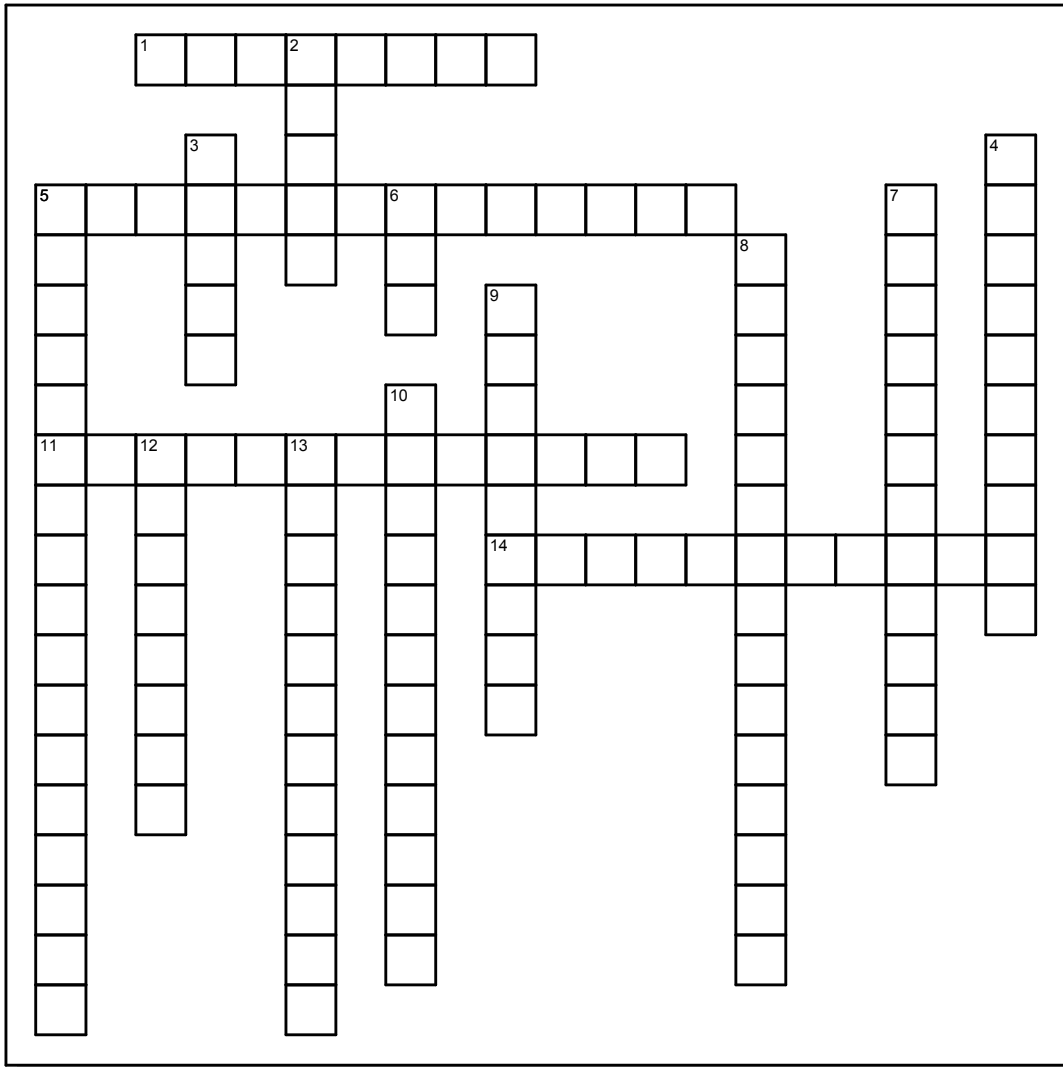


Geometry 1.1, 1.2

Instructions: Complete the crossword puzzle. Use the clues to help identify the words.



Across

- 1. A point at an end of a segment or a starting point of a ray.
- 5. Points that lie in the same plane.
- 11. A word that does not have a formal definition but there is agreement about what the word means.
- 14. Part of a line that consists of two points called endpoints, and all the points on the line that are between the endpoints.

Down

- 2. An undefined term in geometry, it names a location and has no size.
- 3. An undefined term in geometry, it is a flat surface that has no thickness and extends forever.
- 4. A real number used to identify the location of a point.
- 5. Line segments that have the same length.

6. Part of a line that consists of a point called an endpoint and all the points on the line that extend in one direction.
7. Two rays that have a common endpoint and form a line.
8. Points that lie on the same line.
9. A rule that is accepted without proof.
10. Terms that can be described using known words.
12. The absolute value of the difference of the coordinates of two points.
13. The set of points that two or more geometric figures have in common.



Puzzle Time

What Did The Point Say To The Segment?

A	B	C	D	E	F
G	H	I	J		


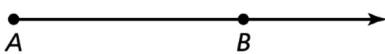
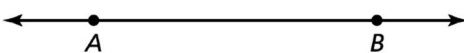
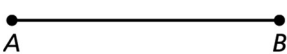
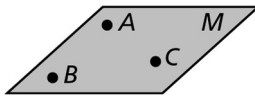
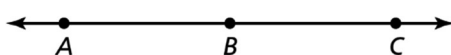
Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

\overline{AB} FOR
true ANT
C BECAUSE
line I'LL
plane ABC A
ray DOOR
coplanar HALFWAY
A IN

Complete each sentence.

- A. Through any two points there is exactly one _____ .
- B. Through any three points which are not collinear, there is exactly one _____ .
- C. _____ points lie on the same line.
- D. _____ points lie on the same plane.

Name each figure shown in the diagram.

- E. 
- F. 
- G. 
- H. 
- I. 
- J. \overrightarrow{AB} and \overrightarrow{AC} are opposite rays. True or false?


\overline{AB} THE
BA TEACHER
collinear YOU
B CALLED
false SPLIT
point LOCKS
plane MEET
\overline{AB} MIDDLE



Puzzle Time

Why Did The Queen Have The King Measure The Rug?

Circle the letter of each correct answer in the boxes below. The circled letters will spell out the answer to the riddle.

Point B is between points A and C on \overline{AC} . Use the information to find the value of x , AB , and BC .

- $AC = 95, AB = 15x - 10, BC = 5x + 5$
- $AC = 8x - 16, AB = 3x - 8, BC = 4x$
- $AC = x - 0.4, AB = x - 4.9, BC = 0.5x$
- $AC = 38\frac{3}{4}, AB = 6x, BC = 8x + \frac{1}{4}$
- Line segments that have the same length are called similar segments. True or false?
- The length of a horizontal segment is the absolute value of the difference of the x -coordinates of the endpoints. Yes or no?
- Points on a line can be matched with real numbers. Correct or incorrect?

B	A	H	C	E	L	A	U	W	I	A	I	H	N	E	S
no	true	9	19	16	$\frac{1}{2}$	7	1	65	incorrect	5	$\frac{1}{2}$	0.3	6	1.9	30
A	M	G	I	O	F	O	I	D	R	E	U	L	N	E	R
$22\frac{1}{4}$	$11\frac{1}{2}$	4.1	$\frac{1}{2}$	$16\frac{1}{2}$	$\frac{3}{8}$	4.5	5.5	32	8	63	$2\frac{3}{4}$	false	2	yes	correct