



# Word Power | Geometry

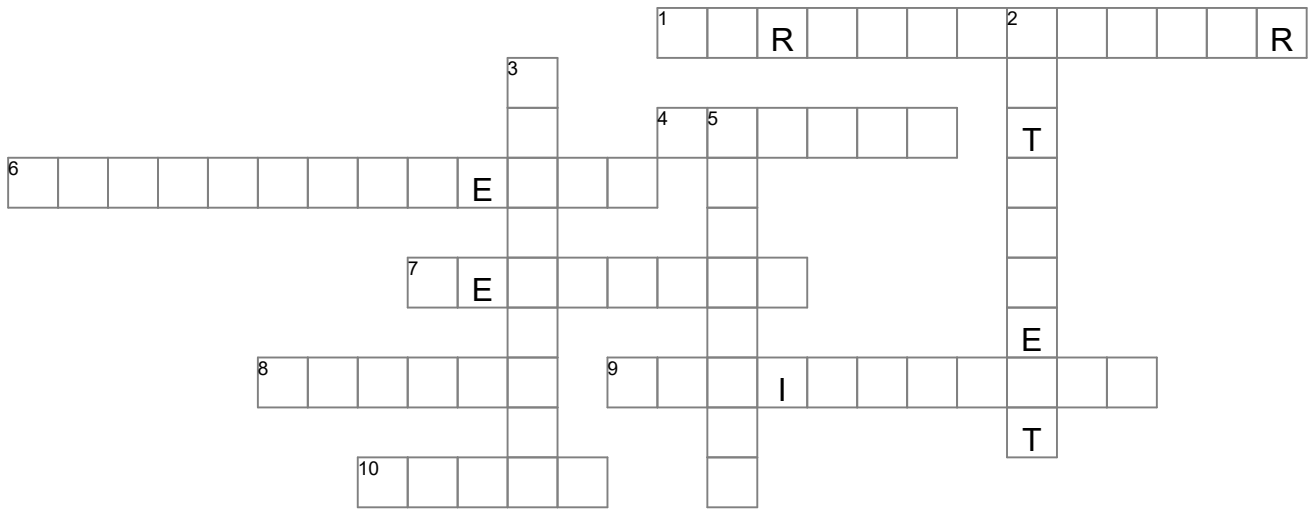
*Listed below are the keywords included in this episode.*

1. **intersect** When two roads do this there is often a stop sign or a stop light to keep cars from running into each other. It begins with the prefix inter-, meaning "between" or "together."
2. **sphere** This is the shape of a basketball, an orange, and the world itself. It comes from the Greek word sphaira.
3. **circumference** It begins with the prefix circum-, meaning "around." A fence built on this part of a yard will keep a pet inside the yard.
4. **parallel** This word comes from the Greek word parallelos, meaning "beside one another." This word could be used to describe the lines on your writing paper.
5. **acute** This word describes angles of less than  $90^\circ$ . It comes from the Latin word acutus but has nothing to do with being pretty.
6. **obtuse** This word describes angles that measure between  $90^\circ$  and  $180^\circ$ . It comes from the Latin word obtusus.
7. **perpendicular** This word describes the relationship of two lines that form a right angle. It contains the Latin word pendere.
8. **vertical** The word horizontal means "level." This adjective from the Latin word vertex means the opposite of horizontal.
9. **congruent** Two shapes that match each other exactly are said to be this, a word that comes from congruere, Latin for "to agree."
10. **cylindrical** This adjective comes from the noun cylinder. It could be used to describe a pipe or a barrel.

**For each question below a number of similar words appear, but only one is spelled correctly and matches the clue that is provided. Write the letter of the correctly spelled word in the space by the question number.**

11. \_\_\_ a. SPHERY b. SPHR c. SPHERE d. SPHIRE  
This is the shape of a basketball, an orange, and the world itself. It comes from the Greek word sphaira.
12. \_\_\_ a. CYLINDRICLE b. CYLINDRIKAL c. CYLINDRICEL d. CYLINDRICAL  
This adjective comes from the noun cylinder. It could be used to describe a pipe or a barrel.
13. \_\_\_ a. INTERSEKT b. INTERSEQT c. INTIRSECT d. INTERSECT  
When two roads do this there is often a stop sign or a stop light to keep cars from running into each other. It begins with the prefix inter-, meaning "between" or "together."
14. \_\_\_ a. PERPENDICULIR b. PARPENDICULAR c. PERPENDICULAR  
d. PERPENDICULER  
This word describes the relationship of two lines that form a right angle. It contains the Latin word pendere.
15. \_\_\_ a. ABTUSE b. OBTUCE c. OBTUS d. OBTUSE  
This word describes angles that measure between 90° and 180°. It comes from the Latin word obtusus.
16. \_\_\_ a. PARALLYL b. PARALLEL c. PARALLLELL d. PERALLEL  
This word comes from the Greek word parallelos, meaning "beside one another." This word could be used to describe the lines on your writing paper.
17. \_\_\_ a. KONGRUENT b. CONGROONT c. CONGRUENT d. CONGRUANT  
Two shapes that match each other exactly are said to be this, a word that comes from congruere, Latin for "to agree."
18. \_\_\_ a. CIRCUMFERENSE b. CIRCUMFERENCE c. CIRCUMFRNC  
d. CIRCUMFERANCE  
It begins with the prefix circum-, meaning "around." A fence built on this part of a yard will keep a pet inside the yard.
19. \_\_\_ a. VERTICAL b. VERTICL c. VERTIKAL d. VARTICAL  
The word horizontal means "level." This adjective from the Latin word vertex means the opposite of horizontal.
20. \_\_\_ a. ACUTO b. ACUTTE c. ACUT d. ACUTE  
This word describes angles of less than 90°. It comes from the Latin word acutus but has nothing to do with being pretty.

21. **Using the Across and Down clues, write the correct words in the numbered grid below.**



**ACROSS**

1. A \_\_\_\_\_ line or surface points straight up, rather than being sloping or horizontal.
4. A \_\_\_\_\_ is an object that is completely round in shape like a ball.
6. The \_\_\_\_\_ of a circle, place, or round object is the distance around its edge.
7. Something that is \_\_\_\_\_ stands or points straight up.
8. An \_\_\_\_\_ angle is between 90° and 180°. Compare acute angle.
9. Something that is \_\_\_\_\_ is in the shape of a cylinder.
10. An \_\_\_\_\_ angle is less than 90°.

**DOWN**

2. If two or more lines or roads \_\_\_\_\_, they meet or cross each other. You can also say that one line or road \_\_\_\_\_s another.
3. If one thing is \_\_\_\_\_ with another thing, they are similar or fit together well.
5. If something has a \_\_\_\_\_, it is similar to something else, but exists or happens in a different place or at a different time. If it has no \_\_\_\_\_ or is without \_\_\_\_\_, it is not similar to anything else.

**Choose the best option the completes the sentences below:**

22. \_\_\_\_ If one thing \_\_\_\_\_s with another or if two things \_\_\_\_\_, the two things have a connection at a particular point.  
a. parallel   b. congruent   c. intersect   d. vertical   e. circumference
23. \_\_\_\_ It is \_\_\_\_\_ in shape.  
a. sphere   b. cylindrical   c. intersect   d. perpendicular   e. obtuse
24. \_\_\_\_ A \_\_\_\_\_ of people is a group of them who are similar in social status or who have the same interests.  
a. sphere   b. acute   c. cylindrical   d. vertical   e. cylindrical
25. \_\_\_\_ You can use \_\_\_\_\_ to indicate that an undesirable situation or feeling is very severe or intense.  
a. sphere   b. circumference   c. acute   d. obtuse   e. congruent
26. \_\_\_\_ The \_\_\_\_\_ of a circle, place, or round object is its edge.  
a. circumference   b. perpendicular   c. parallel   d. intersect   e. obtuse

27. \_\_\_ If one thing is \_\_\_\_\_ to another, it is at an angle of 90 degrees to it.  
 a. acute b. intersect c. perpendicular d. sphere e. congruent
28. \_\_\_ The \_\_\_\_\_ is the direction that points straight up, at an angle of 90 degrees to a flat surface.  
 a. vertical b. cylindrical c. circumference d. cylindrical e. parallel
29. \_\_\_ Someone who is \_\_\_\_\_ has difficulty understanding things, or makes no effort to understand them.  
 a. obtuse b. sphere c. circumference d. congruent e. acute
30. \_\_\_ \_\_\_\_\_ events or situations happen at the same time as one another, or are similar to one another.  
 a. parallel b. intersect c. perpendicular d. vertical e. obtuse
31. \_\_\_ They want to work in an organization whose values are \_\_\_\_\_ with their own.  
 a. obtuse b. cylindrical c. acute d. intersect e. congruent
32. **Find the hidden words. The words have been placed horizontally, vertically, or diagonally. When you locate a word, draw a circle around it.**

G	W	P	F	E	L	R	B	O	Y	A	T	R	W	N	T	L	Q	M	R
B	B	Q	T	A	A	X	F	Z	O	R	P	J	O	C	L	E	L	X	K
B	T	U	G	V	C	I	D	Z	C	O	H	U	E	V	A	L	F	H	X
Q	C	O	O	D	I	F	Z	O	U	P	B	S	X	B	C	L	N	O	C
A	C	S	Z	M	T	D	J	P	C	H	R	U	D	N	I	A	C	B	O
Y	E	C	S	C	R	J	T	G	T	E	Z	U	A	I	R	R	R	T	N
K	R	N	Z	R	E	U	K	C	T	L	A	V	H	I	D	A	S	U	G
V	E	R	U	J	V	T	L	N	P	D	A	M	B	M	N	P	S	S	R
D	H	U	T	C	X	Z	I	D	L	Y	C	D	Q	A	I	S	L	E	U
Q	P	Y	G	L	U	R	Y	O	Z	Q	A	P	T	O	L	K	B	X	E
E	S	P	E	R	P	E	N	D	I	C	U	L	A	R	Y	C	G	H	N
C	I	R	C	U	M	F	E	R	E	N	C	E	S	Y	C	X	H	F	T

- |               |           |               |        |             |
|---------------|-----------|---------------|--------|-------------|
| perpendicular | intersect | circumference | sphere | cylindrical |
| obtuse        | parallel  | congruent     | acute  | vertical    |

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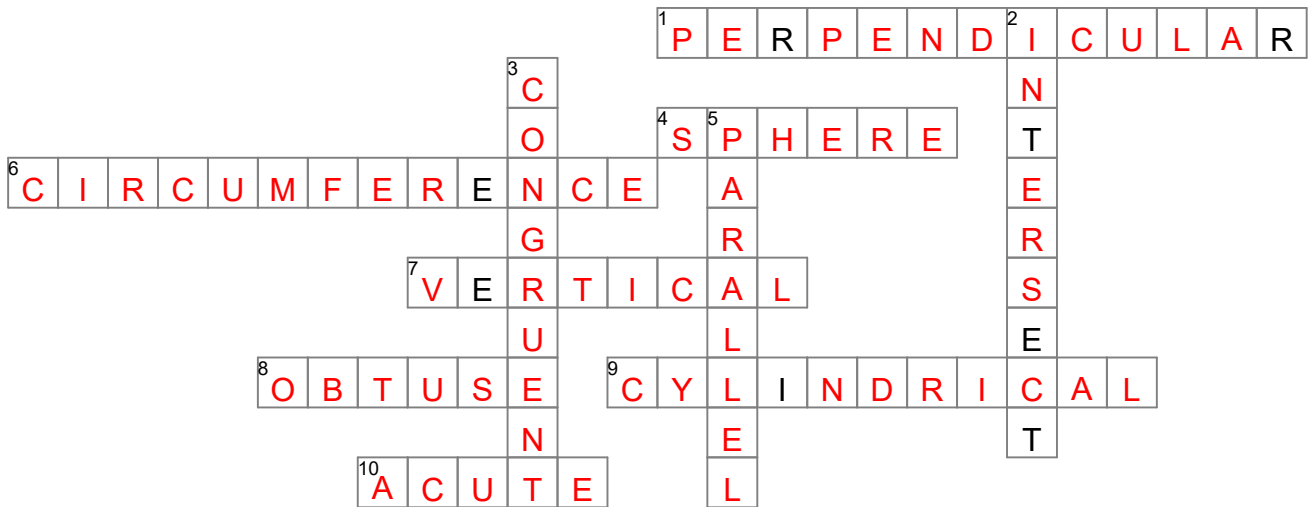
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Q	C	O	O	D	I	F	Z	O	U	P	B	S	X	B	C	L	N	O	C
A	C	S	Z	M	T	D	J	P	C	H	R	U	D	N	I	A	C	B	O
Y	E	C	S	C	R	J	T	G	T	E	Z	U	A	I	R	R	R	T	N
K	R	N	Z	R	E	U	K	C	T	L	A	V	H	I	D	A	S	U	G
V	E	R	U	J	V	T	L	N	P	D	A	M	B	M	N	P	S	S	R
D	H	U	T	C	X	Z	I	D	L	Y	C	D	Q	A	I	S	L	E	U
Q	P	Y	G	L	U	R	Y	O	Z	Q	A	P	T	O	L	K	B	X	E
E	S	P	E	R	P	E	N	D	I	C	U	L	A	R	Y	C	G	H	N
C	I	R	C	U	M	F	E	R	E	N	C	E	S	Y	C	X	H	F	T

- perpendicular      intersect      circumference      sphere      cylindrical  
 obtuse              parallel              congruent              acute              vertical