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Vocabulary Builder Reference from...

Adrián Paenza: How folding paper can get you to the moon | TED Talk

https://www.ted.com/talks/adrian_paenza_how_folding_paper_can_get_you_to_the_moon

All Words

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Session 1: Word List

assume

v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

synonym: guess, presume, suppose

(1) **assume** a lousy attitude to his boss, (2) **assume** an important role

The following example **assumes** that the capacity of each battery is the same.

typical

adj. having the usual characteristics or traits of a specific group of things

synonym: characteristic, usual, distinctive

(1) **typical** leader, (2) fairly **typical** symptoms

This artwork is **typical** of her work.

bible

n. the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field

synonym: authoritative book, holy book, doctrine

(1) a passage from the **Bible**, (2) believe **Bible** prophecy

Students have loved this textbook for many years as a biology **bible**.

silk *n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
synonym : satin, taffeta, velvet
(1) **silk** road, (2) **silk** fabric
She wore a **silk** dress to the party.

qualify *v.* to reach the standard or fulfill the requirement of ability or knowledge needed to do a particular job or receive a particular benefit or privilege
synonym : permit, authorize, allow
(1) **qualify** as a candidate, (2) **qualify** for membership
The top three teams in this tournament **qualify** for the Olympics.

centimeter *n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
(1) **centimeter** measurement, (2) thirty **centimeters** tall
The room was only one **centimeter** wider than the piano, making it a tight fit.

encourage *v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do
synonym : facilitate, persuade, stimulate
(1) **encourage** a sense of affinity, (2) **encourage** antisocial behavior
They **encouraged** customers with a premium for loyal patronage.

aft *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
(1) **aft** cabin, (2) **aft** view
The **aft** section of the ship suffered significant damage after the collision with the reef.

confront

v. to face, meet or deal with a problem or difficult situation or person

synonym: engage, encounter, contend

(1) **confront** a global warming, (2) **confront** the issue

He finally decided to **confront** problems directly.

multiply

v. to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity

synonym: boost, amplify, reproduce

(1) **multiply** 5 and 6, (2) **multiply** about hundredfold

Multiply a number by itself twice.

empire

n. a group of countries ruled by one leader or government

synonym: imperium, conglomerate, kingdom

(1) **empire** building, (2) **empire** of the Maya

He has built a thriving e-commerce **empire**.

worthwhile

adj. having value or benefit; sufficiently important or beneficial to be worthy of time or effort; deserving of attention or consideration

synonym: valuable, rewarding, significant

(1) **worthwhile** investment, (2) **worthwhile** endeavor

Volunteering for a **worthwhile** cause is important for building a sense of community.

folding

adj. capable of being folded or bent; having one or more sections that can be folded or collapsed for easier storage or transportation

synonym: foldable, collapsible, bendable

(1) **folding** knife, (2) **folding** table

The **folding** chairs were easy to set up and take down for the event.

quarter

n. one of four equal parts; a fourth part or portion

synonym: fourth, one-fourth

(1) a **quarter** mile, (2) end of the first **quarter**

The unemployment rate in the first **quarter** was 2.3 percentage points higher than in the previous.

exponential

adj. becoming more and more rapid; of or involving mathematical exponents

(1) **exponential** growth, (2) **exponential** function

Since the 1990s, the Internet has continued to experience **exponential** growth.

satellite

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

synonym : orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**

Launching an artificial **satellite** contributed to the technological development of our country.

orbit

n. the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

synonym : path, course, trajectory

(1) the **orbit** of the moon, (2) a planetary **orbit**

The rocket engine is used to put the satellite into **orbit**.

distance

n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

synonym : space, gap, span

(1) driving **distance**, (2) social **distance**

The marathon runner covered a long **distance** in a short amount of time.

Session 2: Spelling

1. ty____l leader *adj.* having the usual characteristics or traits of a specific group of things
2. cen_____er measurement *n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
3. en_____ge a sense of affinity *v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do
4. exp_____al function *adj.* becoming more and more rapid; of or involving mathematical exponents
5. wor_____le endeavor *adj.* having value or benefit; sufficiently important or beneficial to be worthy of time or effort; deserving of attention or consideration
6. as___e an important role *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
7. a planetary or__t *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

ANSWERS: 1. typical, 2. centimeter, 3. encourage, 4. exponential, 5. worthwhile, 6. assume, 7. orbit

8. driving di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
9. qu_____y as a candidate *v.* to reach the standard or fulfill the requirement of ability or knowledge needed to do a particular job or receive a particular benefit or privilege
10. fo_____g knife *adj.* capable of being folded or bent; having one or more sections that can be folded or collapsed for easier storage or transportation
11. exp_____al growth *adj.* becoming more and more rapid; of or involving mathematical exponents
12. a_t cabin *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
13. as___e a lousy attitude to his boss *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
14. s__k road *n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
15. em___e building *n.* a group of countries ruled by one leader or government
16. a GPS sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

ANSWERS: 8. distance, 9. qualify, 10. folding, 11. exponential, 12. aft, 13. assume, 14. silk, 15. empire, 16. satellite

17. qu____y for membership *v.* to reach the standard or fulfill the requirement of ability or knowledge needed to do a particular job or receive a particular benefit or privilege
18. a meteorological sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
19. wor_____le investment *adj.* having value or benefit; sufficiently important or beneficial to be worthy of time or effort; deserving of attention or consideration
20. social di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
21. a passage from the Bi__e *n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field
22. mu_____ly about hundredfold *v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity
23. believe Bi__e prophecy *n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field

ANSWERS: 17. qualify, 18. satellite, 19. worthwhile, 20. distance, 21. bible, 22. multiply, 23. bible

24. thirty cen_____ers tall *n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
25. fo_____g table *adj.* capable of being folded or bent; having one or more sections that can be folded or collapsed for easier storage or transportation
26. a_t view *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
27. end of the first qu_____r *n.* one of four equal parts; a fourth part or portion
28. co_____nt the issue *v.* to face, meet or deal with a problem or difficult situation or person
29. fairly ty_____l symptoms *adj.* having the usual characteristics or traits of a specific group of things
30. s__k fabric *n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
31. co_____nt a global warming *v.* to face, meet or deal with a problem or difficult situation or person
32. a qu_____r mile *n.* one of four equal parts; a fourth part or portion
33. en_____ge antisocial behavior *v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do

ANSWERS: 24. centimeter, 25. folding, 26. aft, 27. quarter, 28. confront, 29. typical, 30. silk, 31. confront, 32. quarter, 33. encourage

34. mu____ly 5 and 6
35. em___e of the Maya
36. the or__t of the moon
- v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity
- n.* a group of countries ruled by one leader or government
- n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

ANSWERS: 34. multiply, 35. empire, 36. orbit

Session 3: Fill in the Blanks

1. The top three teams in this tournament _____ for the Olympics.
v. to reach the standard or fulfill the requirement of ability or knowledge needed to do a particular job or receive a particular benefit or privilege

2. Since the 1990s, the Internet has continued to experience _____ growth.
adj. becoming more and more rapid; of or involving mathematical exponents

3. The following example _____ that the capacity of each battery is the same.
v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

4. The room was only one _____ wider than the piano, making it a tight fit.
n. a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter

5. The ____ section of the ship suffered significant damage after the collision with the reef.
adj. (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle

6. She wore a ____ dress to the party.
n. a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric

7. The marathon runner covered a long _____ in a short amount of time.
n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

ANSWERS: 1. qualify, 2. exponential, 3. assumes, 4. centimeter, 5. aft, 6. silk, 7. distance

8. He has built a thriving e-commerce _____.
- n.* a group of countries ruled by one leader or government
9. Launching an artificial _____ contributed to the technological development of our country.
- n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
10. This artwork is _____ of her work.
- adj.* having the usual characteristics or traits of a specific group of things
11. Students have loved this textbook for many years as a biology _____.
- n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field
12. They _____ customers with a premium for loyal patronage.
- v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do
13. The unemployment rate in the first _____ was 2.3 percentage points higher than in the previous.
- n.* one of four equal parts; a fourth part or portion
14. _____ a number by itself twice.
- v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity
15. He finally decided to _____ problems directly.
- v.* to face, meet or deal with a problem or difficult situation or person

ANSWERS: 8. empire, 9. satellite, 10. typical, 11. bible, 12. encouraged, 13. quarter, 14. Multiply, 15. confront

16. The rocket engine is used to put the satellite into _____.

n. the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

17. The _____ chairs were easy to set up and take down for the event.

adj. capable of being folded or bent; having one or more sections that can be folded or collapsed for easier storage or transportation

18. Volunteering for a _____ cause is important for building a sense of community.

adj. having value or benefit; sufficiently important or beneficial to be worthy of time or effort; deserving of attention or consideration

ANSWERS: 16. orbit, 17. folding, 18. worthwhile