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Vocabulary Builder Reference from...

Pratik Aghor: The greatest mathematician that never lived | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

mathematics

n. the science dealing with the logic of quantities, shapes, spaces, and arrangement

synonym: arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

influential

adj. having significant impact or power on someone or something

synonym: potent, significant, meaningful

(1) an **influential** newspaper, (2) an **influential** politician

Early childhood experiences are very **influential** for people.

journal

n. a newspaper or magazine specialized in a specific topic or profession

synonym: periodical, diary, bulletin

(1) scientific **journal**, (2) **journal** articles

The physician is reading the **journals** related to medicine

firm

adj. resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company

synonym: stable, secure, steadfast

(1) **firm** grip, (2) accounting **firm**

The **firm** deadline for submitting the project is tomorrow, so we need to work efficiently to finish on time.

reject

v. to refuse to accept, consider, or use something or someone

synonym: decline, turn down, repudiate

(1) **reject** the proposal, (2) **reject** all imperfect merchandise

The company **rejected** the job candidate's application due to a lack of experience.

disarray

n. the state of disorganization or untidiness in a situation or place; a mental state characterized by a lack of clear and orderly thought and behavior

synonym: chaos, mess, confusion

(1) fall into **disarray**, (2) with her clothes in **disarray** .

The country's economic policies have led to political **disarray**.

fragment

n. a small piece or part broken off or detached

synonym: piece, shard, segment

(1) **fragment** of a text, (2) a broken **fragment**

The archaeologist carefully pieced together the tiny **fragments** of pottery found at the dig site.

branch

n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

synonym: limb, twig, bough

(1) **branch** office, (2) a **branch** pipe

The **branch** of the tree had fallen and blocked the road.

disparate

adj. very different or distinct from something else and is not connected or comparable in any way

synonym: different, distinct, separate

(1) **disparate** impact, (2) physically **disparate** location

The organization worked to bring together **disparate** groups in the community.

methodology

n. a set of ways or principles of doing, teaching, or studying something

synonym: procedure, approach, process

(1) **methodology** for optimizing, (2) research **methodology**

We are developing a new **methodology** for assessing marketing measures.

pursue

v. to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them

synonym: seek, hunt, chase

(1) **pursue** a goal, (2) **pursue** freedoms

She intends to **pursue** a political career.

expand

v. to increase or to make something greater in size, number, or importance

synonym: extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

prestigious

adj. having a high reputation or status; respected or honored; widely recognized as being of high quality or importance

synonym: esteemed, renowned, eminent

(1) **prestigious** award, (2) **prestigious** event

The academy is known for its **prestigious** faculty and rigorous curriculum.

norm

n. something that is regarded as usual, typical, or standard

synonym: criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

The systems we have developed has accepted as industry **norms**.

superior

adj. better, higher in quality, or more advanced than others

synonym: better, greater, exceptional

(1) **superior** performance, (2) provide **superior** customer service

The new smartphone model is **superior** to the previous version in terms of speed and features.

calculus

n. a branch of mathematics that deals with rates of change and limits; the accumulation of hard mineral deposits that can form in organs or ducts in the body, such as kidney stones or gallstones

synonym: mathematics, math, analysis

(1) **calculus** equations, (2) **calculus** disease

I needed help understanding the advanced **calculus** course material.

disjointed

adj. lacking coherence or connectivity; not flowing smoothly or logically; disconnected or fragmented

synonym: disconnected, disordered, incoherent

(1) **disjointed** speech, (2) **disjointed** narrative

The **disjointed** plot of the movie left many viewers needing clarification and satisfaction.

decide

v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

synonym: choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

ambition

n. a strong wish to do or achieve something

synonym: purpose, aim, endeavor

(1) an **ambition** for political power, (2) boundless **ambition**

Greed and **ambition** composed his personality.

consistent

adj. always behaving or happening in the same way, or having the same thoughts, standards, etc.

synonym: coherent, constant, compatible

(1) do on a **consistent** basis, (2) get **consistent** results
You are not **consistent** in your behavior.

framework

n. the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text

synonym: structure, scheme, foundation

(1) legal **framework**, (2) the **framework** of a house
He devised a new analytical **framework** to capture the phenomenon.

axiom

n. a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based

synonym: principle, maxim, postulate

(1) self-evident **axiom**, (2) fundamental **axiom**
It is an **axiom** in mathematics that two parallel lines never intersect.

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.

argument

n. a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute

synonym: debate, discourse, discussion

(1) a blazing **argument**, (2) the **argument** against capital punishment
The **argument** between the two sides over the proposed

policy was heated.

complexity

n. the state or quality of being complicated or intricate and difficult to understand

synonym: intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

theorem

n. a statement or proposition that can be demonstrated or proved to be true, typically by logical or mathematical reasoning

synonym: proof, proposition, formula

(1) corollary **theorem**, (2) Pythagorean **theorem**

Gödel's incompleteness **theorems** prove the limitations of formal systems, including mathematical ones.

correspond

v. to match or be similar to something else almost exactly; to exchange messages

synonym: match, equate, communicate

(1) **correspond** to a standard, (2) **correspond** with a foreign student

The numbers on the sign **correspond** to points on the map.

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym: revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

identify

v. to recognize someone or something and say or prove who or what they are

synonym: determine, specify, recognize

(1) **identify** handwriting, (2) **identify** gene sequences

I will introduce you to how to **identify** the leading causes of the malfunction.

accomplish

v. to finish or achieve something successfully

synonym: achieve, complete, execute

(1) **accomplish** a goal, (2) **accomplish** military operations
Humankind took centuries to **accomplish** true democracy.

definition

n. a concise explanation of the meaning of a word, phrase, or symbol

synonym: description, connotation, meaning

(1) a precise **definition**, (2) the **definition** of a word

Parallel lines are, by **definition**, lines on the same plane that never cross.

function

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

synonym: purpose, mapping, job

(1) **function** properly, (2) immune **function**

The brain is an incredibly complex organ that controls the body's **function**.

claim

v. to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

synonym: assert, declare, maintain

(1) **claim** responsibility, (2) false **claim**

He wants to **claim** ownership of the abandoned property.

relation

n. the way two persons or groups of people feel and act toward one another

synonym: association, linkage, connection

(1) **relation** between cause and effect, (2) **relation** of inclusion

The industrial **relations** laws were passed with little to no alteration.

define

v. to state or explain precisely the nature, scope, or meaning of something

synonym: characterize, depict, express

(1) **define** a word, (2) **define** my position

To advance this discussion, we must **define** "success" rigorously.

numerical

adj. relating to, expressed, or denoted by a number

synonym: quantitative, numeral, mathematical

(1) 3D **numerical** simulation, (2) the **numerical** keypad

The **numerical** value of Pi is approximately 3.14.

alphabet

n. a character set that includes letters and is used to write a language

synonym: ABC's

(1) letters of an **alphabet**, (2) an **alphabet** of manual signs

He strove to memorize the Hebrew **alphabet**.

process

n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

synonym: procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

corresponding

adj. similar to, connected with, or accompanying something, especially in position or purpose

synonym: matching, equivalent, analogous

(1) find a **corresponding** lack, (2) the **corresponding** word

in Spanish

The **corresponding** number on the dial was 3.

domain

n. a specific sphere of influence or control; a specific field of knowledge or expertise

synonym: territory, realm, sphere

(1) **domain** of use, (2) a dependent **domain**

The company's **domain** in the market was expanding to new territories.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym: shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

surjective

adj. relating to a function in mathematics that maps every element in the codomain or range to at least one element in the domain

(1) **surjective** linear transformation, (2) **surjective** mapping
Mathematicians use **surjective** functions to map one set onto another.

bijjective

adj. (of mathematics) describing a function that is both injective (every element in the range is mapped to by at most one element in the domain) and surjective (every element in the range is mapped to by at least one element in the domain)

synonym: one-to-one, injective, invertible

(1) **bijjective** correspondence, (2) **bijjective** transformation

In mathematics, a **bijjective** function has a one-to-one mapping between two sets.

correspondence

n. the letters, emails, etc., especially official or business ones; the quality or state of being the same in amount,

number, status

synonym: letters, closeness, likeness

(1) a business **correspondence**, (2) one-to-one **correspondence**

The results of the two experiments were in **correspondence**.

logic

n. a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments

synonym: reasoning, reason, ratiocination

(1) an indisputable **logic**, (2) a demonstration in **logic**

There's no **logic** in his description.

translate

v. to convert or change words into another language

synonym: convert, transcribe, render

(1) **translate** a document into English, (2) **translate** the emotion to a movement

Translate the text from Italian into English.

systematic

adj. done or acting according to a determined set of systems or plans:

synonym: periodic, frequent, organized

(1) a **systematic** reformation, (2) **systematic** botany

Science is based on the **systematic** classification of experience.

abstract

adj. based on general ideas, feelings, or qualities and not on any a physical or concrete existence

synonym: conceptual, theoretical, ideational

(1) an **abstract** noun, (2) **abstract** science

The invention of the camera triggered the development of **abstract** painting.

principle

n. a fundamental law or truth that explains or controls how something happens or works

synonym: rule, creed, code

(1) **principle** of treatment, (2) **principle** in business
Efficiency isn't an essential **principle** here; fairness is.

stark

adj. empty, simple, or apparent; devoid of any qualifications
synonym: crude, blunt, desolate

(1) **stark** landscape, (2) **stark** truth
The scenery of the battlefield was **stark** and grey.

contrast

v. to put in opposition to show or emphasize differences
synonym: differ, vary, counterpoint

(1) **contrast** with a decade ago, (2) **contrast** two things
It's intriguing to compare and **contrast** the two authors.

intuitive

adj. obtained through feelings rather than facts or proof
synonym: involuntary, instinctive, innate

(1) **intuitive** eating, (2) **intuitive** judgment
I had an **intuitive** feeling that I might be pregnant.

dependence

n. the state or condition of relying or depending on someone or something else; a relationship in which one person or thing is influenced, controlled, or supported by another

synonym: reliance, trust, addiction

(1) **dependence** on technology, (2) financial **dependence**
The patient's **dependence** on painkillers became a serious concern for their healthcare team.

constrain

v. to restrict or limit someone or something's freedom or ability to do something

synonym: restrict, limit, confine

(1) **constrain** his freedom, (2) **constrain** information flow
The political situation **constrained** the country's economic growth and foreign relations.

creative

adj. relating to or involving the use of skill and original and unusual ideas to create something

synonym:

imaginative, innovative, inventive

(1) **creative** writing, (2) barren of **creative** spirit

All the supervisor has to do is assign tasks that make his subordinates more **creative**.

rebellious

adj. characterized by a tendency to rebel or resist authority or conventions; inclined to do the opposite of what is expected or customary

synonym: disobedient, defiant, insubordinate

(1) **rebellious** teenager, (2) **rebellious** spirit

Her **rebellious** attitude often got her into trouble with the school authorities.

scholar

n. professor; a person who studies a topic in considerable depth, particularly in a university

synonym: professor, pupil, learner

(1) **scholar** in international politics, (2) noted **scholar**

You won't have to pay college tuition if you're a **scholar**.

glee

n. a feeling of great happiness, joy, or pleasure, often accompanied by laughter or exuberance; a sense of delighted satisfaction from a positive result or accomplishment

synonym: delight, happiness, joy

(1) jumping for **glee**, (2) **glee** club

The children's faces were filled with **glee** as they ran around the playground.

ignore

v. to intentionally not listen or pay attention to

synonym: neglect, disregard, shun

(1) **ignore** her advice, (2) **ignore** a ban

Since independence, the area has been completely **ignored**.

conventional

adj. based on or following traditional rules, standards, customs, etc.

synonym: ancestral, customary, established

(1) a **conventional** style, (2) get a **conventional** loan
She is very **conventional** in her thoughts.

wisdom

n. the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
synonym: sagacity, discernment, insight

(1) a fountain of **wisdom**, (2) **wisdom** literature
The community greatly respected and sought after the older adult's **wisdom**.

revolution

n. a large-scale attempt to overthrow the government of a country, often using violence or war;
synonym: coup, innovation, rebellion

(1) beginning of the industrial **revolution**, (2) a political **revolution**
The **revolution** by the citizen resulted in a redistribution of wealth.

occasion

n. a time or event that is suitable or appropriate for something to happen or be done; a particular event or circumstance that requires or allows for something to be done

synonym: event, time, occurrence

(1) a glad **occasion**, (2) as **occasion** demands
She wore her best dress for the special **occasion**.

stunt

n. a feat or action that is often dangerous or difficult, designed to attract attention or admiration; something that blocks or impedes growth or development; (verb) to hinder or impede growth or development, especially in a physical or mental sense

synonym: feat, accomplishment, (verb) hinder

(1) skydiving **stunt**, (2) **stunt** brain growth
The daredevil attempted a dangerous **stunt** by jumping off a tall building with a parachute.

subsequent

adj. happening or occurring later or after something else

synonym: later, following, ensuing

(1) over **subsequent** months, (2) reduce **subsequent** mortality

In the **subsequent** meeting, the team discussed ways to improve productivity.

pseudonym

n. a name someone, especially a writer, uses instead of their real name; a pen name

synonym: anonym, alias, nickname

(1) hide behind a **pseudonym**, (2) digital **pseudonym**

The author published these writings under a **pseudonym**.

refer

v. to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

synonym: cite, allude, mention

(1) **refer** to a book, (2) **refer** to a map

Please **refer** to the instruction manual for further assistance.

prank

n. a playful or mischievous trick, practical joke, or act of mischief performed with the intention of amusing or surprising others

synonym: hoax, trick, stunt

(1) **prank** caller, (2) harmless **prank**

The group of teenagers played an innocent **prank** on their teacher, but it backfired, and they got in trouble.

invention

n. the creation of a new device or process resulting from study and experimentation; the act of inventing

synonym: creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**

Necessity is the mother of **invention**.

recluse

n. a person who lives in solitude and isolation

synonym: hermit, solitary, loner

(1) live as a **recluse**, (2) solitary **recluse**

After years in the limelight, the actor decided to retreat from the public eye and become a **recluse**.

genius

n. someone who has exceptional intellectual ability and originality

synonym: brilliance, brainiac, acumen

(1) a person of **genius**, (2) a **genius** for music

Mozart was a musical **genius**.

collaborate

v. to work with someone else to produce or achieve something

synonym: cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to **collaborate** with him in creating new artwork.

telegram

n. a message sent by telegraph (= a method of long-distance transmission of messages by electrical or radio signals), typically consisting of a few words and sent at a reduced rate for urgent or brief communications

synonym: wire, message, cablegram

(1) **telegram** service, (2) a congratulatory **telegram**

He sent a **telegram** to let his family know he was safe.

announce

v. to make something known or officially inform people about something

synonym: disclose, declare, broadcast

(1) **announce** candidacy, (2) **announce** the award winners

The third season of the anime show has been **announced**.

publicly

adv. in a manner accessible to or observable by the public; by the government

synonym: candidly, openly, honestly

(1) **publicly** accessible record, (2) **publicly** financed schools

She **publicly** denounced the government's mishandling of

the economic crisis.

insult

n. a remark or action that causes offense or disrespect;
(verb) to treat, mention, or speak to rudely

synonym: affront, slight, offense

(1) an intentional **insult**, (2) **insult** each other

His **insult** toward her was unacceptable and resulted in his being fired.

doubt

n. a feeling of being uncertain about something, especially about how good or accurate it is

synonym: distrust, suspect, mistrust

(1) dispel **doubts**, (2) no **doubt** about the news

Doubt is the start, not the end, of intelligence.

maintain

v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

synonym: preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health

I need to **maintain** my car regularly to prevent any major mechanical issues.

ruse

n. a trick or deception used to achieve a strategic or tactical advantage; a strategy or plan used to deceive or mislead someone

synonym: stratagem, ploy, trick

(1) plan a **ruse**, (2) elaborate **ruse**

The thief used a clever **ruse** to access the bank's vault.

obituary

n. a notice of someone's death, often appearing in a newspaper or online; a published account of someone's life and achievements after their death

synonym: death notice, memorial, necrology

(1) **obituary** notice, (2) **obituary** column

The man's **obituary** was published in the local newspaper.

- pun**
- n.* a humorous play on words or use of words that sound similar but have different meanings, often for a comedic effect; a form of wordplay
synonym: joke, quip, wordplay
(1) witty **pun**, (2) silly **pun**
The comedian's **pun** had the audience laughing out loud.
- apparent**
- adj.* able to see or understand easily or clearly
synonym: obvious, clear, conspicuous
(1) heir **apparent**, (2) **apparent** contradiction
This star is **apparent** to the naked eye.
- associate**
- v.* to mentally connect someone or something with someone or something else
synonym: tie in, link, consociate
(1) **associate** alcohol with gambling, (2) **associate** with people widely
The majority of consumers **associate** this brand with quality.
- discovery**
- n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
synonym: finding, uncovering, detection
(1) a scientific **discovery**, (2) the great **discovery** of the century
Her research team made an important **discovery**.
- influence**
- n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
synonym: power, leverage, effect
(1) **influence** a child's future, (2) **influence** the daily life
The former emperor had a particular **influence** even after he abdicated.
- modern**
- adj.* of or belonging to the present time or recent times
synonym: contemporary, stylish, current
(1) **modern** poetry, (2) pre- **modern** agricultural society

Their headquarters are in a **modern** skyscraper.

emphasis

n. particular importance or significance that is given to something

synonym: priority, stress, focus

(1) **emphasis** on color, (2) lay great **emphasis** on policy
The spotlight gave the central figure increased **emphasis**.

proof

n. a fact or piece of information that shows something is true or exists

synonym: testimony, evidence, assurance

(1) documentary **proof**, (2) a geometric **proof**
Proof is better than argument.

rigorous

adj. allowing or demanding no deviation from a standard; extremely careful, thorough, or accurate

synonym: severe, exact, strict

(1) **rigorous** standards, (2) have **rigorous** criticism
The way he manages his employees is extremely **rigorous**.

imaginary

adj. existing only in someone's mind

synonym: fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy
Little children tend to have **imaginary** friends.

Session 2: Spelling

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|----------------------------|---|
| 1. no do__t about the news | <i>n.</i> a feeling of being uncertain about something, especially about how good or accurate it is |
| 2. pr____s improvement | <i>n.</i> a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products |
| 3. re____on of inclusion | <i>n.</i> the way two persons or groups of people feel and act toward one another |
| 4. id____fy handwriting | <i>v.</i> to recognize someone or something and say or prove who or what they are |
| 5. false cl__m | <i>v.</i> to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true |
| 6. em____is on color | <i>n.</i> particular importance or significance that is given to something |
| 7. fall into di____ay | <i>n.</i> the state of disorganization or untidiness in a situation or place; a mental state characterized by a lack of clear and orderly thought and behavior |

ANSWERS: 1. doubt, 2. process, 3. relation, 4. identify, 5. claim, 6. emphasis, 7. disarray

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|--|---|
| 8. cultural n__m | <i>n.</i> something that is regarded as usual, typical, or standard |
| 9. jo____l articles | <i>n.</i> a newspaper or magazine specialized in a specific topic or profession |
| 10. barren of cr____ve spirit | <i>adj.</i> relating to or involving the use of skill and original and unusual ideas to create something |
| 11. pr__k caller | <i>n.</i> a playful or mischievous trick, practical joke, or act of mischief performed with the intention of amusing or surprising others |
| 12. ri____us standards | <i>adj.</i> allowing or demanding no deviation from a standard; extremely careful, thorough, or accurate |
| 13. fundamental ax__m | <i>n.</i> a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based |
| 14. in____t a personal opinion into a debate | <i>v.</i> to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube) |
| 15. live as a re____e | <i>n.</i> a person who lives in solitude and isolation |
| 16. an inf____al politician | <i>adj.</i> having significant impact or power on someone or something |
| 17. mat____cs competition | <i>n.</i> the science dealing with the logic of quantities, shapes, spaces, and arrangement |

ANSWERS: 8. norm, 9. journal, 10. creative, 11. prank, 12. rigorous, 13. axiom, 14. inject, 15. recluse, 16. influential, 17. mathematics

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|--|---|
| 18. bi_____ve transformation | <i>adj.</i> (of mathematics) describing a function that is both injective (every element in the range is mapped to by at most one element in the domain) and surjective (every element in the range is mapped to by at least one element in the domain) |
| 19. sys_____ic botany | <i>adj.</i> done or acting according to a determined set of systems or plans: |
| 20. fr_____nt of a text | <i>n.</i> a small piece or part broken off or detached |
| 21. the great di_____ry of the century | <i>n.</i> the act or process of finding information, a place, or an object, or learning about something that was previously not known |
| 22. low-r_v engine | <i>n.</i> a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute |
| 23. su_____or performance | <i>adj.</i> better, higher in quality, or more advanced than others |
| 24. pre_____us event | <i>adj.</i> having a high reputation or status; respected or honored; widely recognized as being of high quality or importance |
| 25. Pythagorean th_____m | <i>n.</i> a statement or proposition that can be demonstrated or proved to be true, typically by logical or mathematical reasoning |

ANSWERS: 18. bijective, 19. systematic, 20. fragment, 21. discovery, 22. rev, 23. superior, 24. prestigious, 25. theorem

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| 26. te_____am service | <i>n.</i> a message sent by telegraph (= a method of long-distance transmission of messages by electrical or radio signals), typically consisting of a few words and sent at a reduced rate for urgent or brief communications |
| 27. a broken fr_____nt | <i>n.</i> a small piece or part broken off or detached |
| 28. pre-mo____n agricultural society | <i>adj.</i> of or belonging to the present time or recent times |
| 29. cl__m responsibility | <i>v.</i> to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true |
| 30. in_____ve eating | <i>adj.</i> obtained through feelings rather than facts or proof |
| 31. im_____ry number | <i>adj.</i> existing only in someone's mind |
| 32. the def_____on of a word | <i>n.</i> a concise explanation of the meaning of a word, phrase, or symbol |
| 33. an intentional in____t | <i>n.</i> a remark or action that causes offense or disrespect; (verb) to treat, mention, or speak to rudely |
| 34. in_____ve judgment | <i>adj.</i> obtained through feelings rather than facts or proof |
| 35. hide behind a ps_____ym | <i>n.</i> a name someone, especially a writer, uses instead of their real name; a pen name |

ANSWERS: 26. telegram, 27. fragment, 28. modern, 29. claim, 30. intuitive, 31. imaginary, 32. definition, 33. insult, 34. intuitive, 35. pseudonym

36. a precise def_____on	<i>n.</i> a concise explanation of the meaning of a word, phrase, or symbol
37. the in_____on of new techniques	<i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing
38. as___e an important role	<i>v.</i> 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
39. an_____ce the award winners	<i>v.</i> to make something known or officially inform people about something
40. harmless pr__k	<i>n.</i> a playful or mischievous trick, practical joke, or act of mischief performed with the intention of amusing or surprising others
41. reduce sub_____nt mortality	<i>adj.</i> happening or occurring later or after something else
42. sc_____r in international politics	<i>n.</i> professor; a person who studies a topic in considerable depth, particularly in a university
43. de___e on a course of action	<i>v.</i> to make up someone's mind about something; to come to a conclusion or judgment after considering options
44. pr_____le of treatment	<i>n.</i> a fundamental law or truth that explains or controls how something happens or works
45. re__r to a book	<i>v.</i> to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

ANSWERS: 36. definition, 37. invention, 38. assume, 39. announce, 40. prank, 41. subsequent, 42. scholar, 43. decide, 44. principle, 45. refer

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| 46. ex___d agricultural output | <i>v.</i> to increase or to make something greater in size, number, or importance |
| 47. with her clothes in di_____ay. | <i>n.</i> the state of disorganization or untidiness in a situation or place; a mental state characterized by a lack of clear and orderly thought and behavior |
| 48. get a con_____nal loan | <i>adj.</i> based on or following traditional rules, standards, customs, etc. |
| 49. pu___e freedoms | <i>v.</i> to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them |
| 50. com_____ty theory | <i>n.</i> the state or quality of being complicated or intricate and difficult to understand |
| 51. im_____ry pregnancy | <i>adj.</i> existing only in someone's mind |
| 52. an_____ce candidacy | <i>v.</i> to make something known or officially inform people about something |
| 53. letters of an al_____et | <i>n.</i> a character set that includes letters and is used to write a language |
| 54. a sys_____ic reformation | <i>adj.</i> done or acting according to a determined set of systems or plans: |
| 55. an ab_____ct noun | <i>adj.</i> based on general ideas, feelings, or qualities and not on any a physical or concrete existence |
| 56. sur_____ve mapping | <i>adj.</i> relating to a function in mathematics that maps every element in the codomain or range to at least one element in the domain |

ANSWERS: 46. expand, 47. disarray, 48. conventional, 49. pursue, 50. complexity, 51. imaginary, 52. announce, 53. alphabet, 54. systematic, 55. abstract, 56. surjective

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| 57. an indisputable lo__c | <i>n.</i> a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments |
| 58. as____te alcohol with gambling | <i>v.</i> to mentally connect someone or something with someone or something else |
| 59. as oc____on demands | <i>n.</i> a time or event that is suitable or appropriate for something to happen or be done; a particular event or circumstance that requires or allows for something to be done |
| 60. solitary re____e | <i>n.</i> a person who lives in solitude and isolation |
| 61. dispel do__ts | <i>n.</i> a feeling of being uncertain about something, especially about how good or accurate it is |
| 62. cr____ve writing | <i>adj.</i> relating to or involving the use of skill and original and unusual ideas to create something |
| 63. dep____ce on technology | <i>n.</i> the state or condition of relying or depending on someone or something else; a relationship in which one person or thing is influenced, controlled, or supported by another |
| 64. acc____sh military operations | <i>v.</i> to finish or achieve something successfully |
| 65. id____fy gene sequences | <i>v.</i> to recognize someone or something and say or prove who or what they are |

ANSWERS: 57. logic, 58. associate, 59. occasion, 60. recluse, 61. doubt, 62. creative, 63. dependence, 64. accomplish, 65. identify

66. ig___e her advice	<i>v.</i> to intentionally not listen or pay attention to
67. a scientific di_____ry	<i>n.</i> the act or process of finding information, a place, or an object, or learning about something that was previously not known
68. scientific jo_____l	<i>n.</i> a newspaper or magazine specialized in a specific topic or profession
69. beginning of the industrial rev_____on	<i>n.</i> a large-scale attempt to overthrow the government of a country, often using violence or war;
70. the cor_____ing word in Spanish	<i>adj.</i> similar to, connected with, or accompanying something, especially in position or purpose
71. co_____st two things	<i>v.</i> to put in opposition to show or emphasize differences
72. boundless am_____on	<i>n.</i> a strong wish to do or achieve something
73. lay great em_____is on policy	<i>n.</i> particular importance or significance that is given to something
74. the fr_____rk of a house	<i>n.</i> the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text
75. ma_____in order	<i>v.</i> to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
76. common in_____on	<i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing

ANSWERS: 66. ignore, 67. discovery, 68. journal, 69. revolution, 70. corresponding, 71. contrast, 72. ambition, 73. emphasis, 74. framework, 75. maintain, 76. invention

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| 77. a ge___s for music | <i>n.</i> someone who has exceptional intellectual ability and originality |
| 78. a dependent do___n | <i>n.</i> a specific sphere of influence or control; a specific field of knowledge or expertise |
| 79. dis_____ed narrative | <i>adj.</i> lacking coherence or connectivity; not flowing smoothly or logically; disconnected or fragmented |
| 80. ig___e a ban | <i>v.</i> to intentionally not listen or pay attention to |
| 81. ca_____us disease | <i>n.</i> a branch of mathematics that deals with rates of change and limits; the accumulation of hard mineral deposits that can form in organs or ducts in the body, such as kidney stones or gallstones |
| 82. in___t each other | <i>n.</i> a remark or action that causes offense or disrespect; (verb) to treat, mention, or speak to rudely |
| 83. self-evident ax__m | <i>n.</i> a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based |
| 84. co_____st with a decade ago | <i>v.</i> to put in opposition to show or emphasize differences |
| 85. as___e a lousy attitude to his boss | <i>v.</i> 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 |

ANSWERS: 77. genius, 78. domain, 79. disjointed, 80. ignore, 81. calculus, 82. insult, 83. axiom, 84. contrast, 85. assume

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| 86. in_____ce a child's future | <i>n.</i> the ability to affect someone's or something's character, growth, or behavior, or the effect itself |
| 87. r_v up the crowd | <i>n.</i> a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute |
| 88. do on a con_____nt basis | <i>adj.</i> always behaving or happening in the same way, or having the same thoughts, standards, etc. |
| 89. st__t brain growth | <i>n.</i> a feat or action that is often dangerous or difficult, designed to attract attention or admiration; something that blocks or impedes growth or development; (verb) to hinder or impede growth or development, especially in a physical or mental sense |
| 90. ap_____nt contradiction | <i>adj.</i> able to see or understand easily or clearly |
| 91. jumping for g__e | <i>n.</i> a feeling of great happiness, joy, or pleasure, often accompanied by laughter or exuberance; a sense of delighted satisfaction from a positive result or accomplishment |
| 92. find a cor_____ing lack | <i>adj.</i> similar to, connected with, or accompanying something, especially in position or purpose |
| 93. co_____in information flow | <i>v.</i> to restrict or limit someone or something's freedom or ability to do something |

ANSWERS: 86. influence, 87. rev, 88. consistent, 89. stunt, 90. apparent, 91. glee, 92. corresponding, 93. constrain

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| 94. skydiving st__t | <i>n.</i> a feat or action that is often dangerous or difficult, designed to attract attention or admiration; something that blocks or impedes growth or development; (verb) to hinder or impede growth or development, especially in a physical or mental sense |
| 95. acc_____sh a goal | <i>v.</i> to finish or achieve something successfully |
| 96. n__m of action | <i>n.</i> something that is regarded as usual, typical, or standard |
| 97. tr_____te the emotion to a movement | <i>v.</i> to convert or change words into another language |
| 98. documentary pr__f | <i>n.</i> a fact or piece of information that shows something is true or exists |
| 99. col_____te on a press release | <i>v.</i> to work with someone else to produce or achieve something |
| 100. de___e a word | <i>v.</i> to state or explain precisely the nature, scope, or meaning of something |
| 101. a business cor_____nce | <i>n.</i> the letters, emails, etc., especially official or business ones; the quality or state of being the same in amount, number, status |
| 102. dis_____ed speech | <i>adj.</i> lacking coherence or connectivity; not flowing smoothly or logically; disconnected or fragmented |
| 103. pu_____ly financed schools | <i>adv.</i> in a manner accessible to or observable by the public; by the government |
| 104. get con_____nt results | <i>adj.</i> always behaving or happening in the same way, or having the same thoughts, standards, etc. |

ANSWERS: 94. stunt, 95. accomplish, 96. norm, 97. translate, 98. proof, 99. collaborate, 100. define, 101. correspondence, 102. disjointed, 103. publicly, 104. consistent

105. g__e club	<i>n.</i> a feeling of great happiness, joy, or pleasure, often accompanied by laughter or exuberance; a sense of delighted satisfaction from a positive result or accomplishment
106. digital ps_____ym	<i>n.</i> a name someone, especially a writer, uses instead of their real name; a pen name
107. plan a r__e	<i>n.</i> a trick or deception used to achieve a strategic or tactical advantage; a strategy or plan used to deceive or mislead someone
108. co_____in his freedom	<i>v.</i> to restrict or limit someone or something's freedom or ability to do something
109. pu___e a goal	<i>v.</i> to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
110. st__k truth	<i>adj.</i> empty, simple, or apparent; devoid of any qualifications
111. tr_____te a document into English	<i>v.</i> to convert or change words into another language
112. ab_____ct science	<i>adj.</i> based on general ideas, feelings, or qualities and not on any a physical or concrete existence
113. col_____te with the police	<i>v.</i> to work with someone else to produce or achieve something
114. pre_____us award	<i>adj.</i> having a high reputation or status; respected or honored; widely recognized as being of high quality or importance

ANSWERS: 105. glee, 106. pseudonym, 107. ruse, 108. constrain, 109. pursue, 110. stark, 111. translate, 112. abstract, 113. collaborate, 114. prestigious

115. re___t the proposal	<i>v.</i> to refuse to accept, consider, or use something or someone
116. have ri____us criticism	<i>adj.</i> allowing or demanding no deviation from a standard; extremely careful, thorough, or accurate
117. re___t all imperfect merchandise	<i>v.</i> to refuse to accept, consider, or use something or someone
118. a br___h pipe	<i>n.</i> a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
119. mo___n poetry	<i>adj.</i> of or belonging to the present time or recent times
120. st__k landscape	<i>adj.</i> empty, simple, or apparent; devoid of any qualifications
121. pr_____le in business	<i>n.</i> a fundamental law or truth that explains or controls how something happens or works
122. financial dep_____ce	<i>n.</i> the state or condition of relying or depending on someone or something else; a relationship in which one person or thing is influenced, controlled, or supported by another
123. a geometric pr__f	<i>n.</i> a fact or piece of information that shows something is true or exists
124. one-to-one cor_____nce	<i>n.</i> the letters, emails, etc., especially official or business ones; the quality or state of being the same in amount, number, status

ANSWERS: 115. reject, 116. rigorous, 117. reject, 118. branch, 119. modern, 120. stark, 121. principle, 122. dependence, 123. proof, 124. correspondence

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| 125. reb_____us teenager | <i>adj.</i> characterized by a tendency to rebel or resist authority or conventions; inclined to do the opposite of what is expected or customary |
| 126. in_____ce the daily life | <i>n.</i> the ability to affect someone's or something's character, growth, or behavior, or the effect itself |
| 127. an am_____on for political power | <i>n.</i> a strong wish to do or achieve something |
| 128. witty p_n | <i>n.</i> a humorous play on words or use of words that sound similar but have different meanings, often for a comedic effect; a form of wordplay |
| 129. a political rev_____on | <i>n.</i> a large-scale attempt to overthrow the government of a country, often using violence or war; |
| 130. br____h office | <i>n.</i> a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization |
| 131. ex____d a lineup | <i>v.</i> to increase or to make something greater in size, number, or importance |
| 132. elaborate r__e | <i>n.</i> a trick or deception used to achieve a strategic or tactical advantage; a strategy or plan used to deceive or mislead someone |
| 133. ma_____in good health | <i>v.</i> to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true |

ANSWERS: 125. rebellious, 126. influence, 127. ambition, 128. pun, 129. revolution, 130. branch, 131. expand, 132. ruse, 133. maintain

134. a demonstration in lo__c	<i>n.</i> a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments
135. as_____te with people widely	<i>v.</i> to mentally connect someone or something with someone or something else
136. 3D nu_____al simulation	<i>adj.</i> relating to, expressed, or denoted by a number
137. cognitive com_____ty	<i>n.</i> the state or quality of being complicated or intricate and difficult to understand
138. a fountain of wi___m	<i>n.</i> the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
139. ob_____ry column	<i>n.</i> a notice of someone's death, often appearing in a newspaper or online; a published account of someone's life and achievements after their death
140. research met_____gy	<i>n.</i> a set of ways or principles of doing, teaching, or studying something
141. a blazing ar_____nt	<i>n.</i> a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
142. ob_____ry notice	<i>n.</i> a notice of someone's death, often appearing in a newspaper or online; a published account of someone's life and achievements after their death
143. provide su_____or customer service	<i>adj.</i> better, higher in quality, or more advanced than others

ANSWERS: 134. logic, 135. associate, 136. numerical, 137. complexity, 138. wisdom, 139. obituary, 140. methodology, 141. argument, 142. obituary, 143. superior

144. a person of ge___s	<i>n.</i> someone who has exceptional intellectual ability and originality
145. wi___m literature	<i>n.</i> the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
146. ca____us equations	<i>n.</i> a branch of mathematics that deals with rates of change and limits; the accumulation of hard mineral deposits that can form in organs or ducts in the body, such as kidney stones or gallstones
147. a con_____nal style	<i>adj.</i> based on or following traditional rules, standards, customs, etc.
148. physically di_____te location	<i>adj.</i> very different or distinct from something else and is not connected or comparable in any way
149. do___n of use	<i>n.</i> a specific sphere of influence or control; a specific field of knowledge or expertise
150. re_____on between cause and effect	<i>n.</i> the way two persons or groups of people feel and act toward one another
151. immune fu_____on	<i>n.</i> the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 144. genius, 145. wisdom, 146. calculus, 147. conventional, 148. disparate, 149. domain, 150. relation, 151. function

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| 152. heir ap_____nt | <i>adj.</i> able to see or understand easily or clearly |
| 153. the nu_____al keypad | <i>adj.</i> relating to, expressed, or denoted by a number |
| 154. an al_____et of manual signs | <i>n.</i> a character set that includes letters and is used to write a language |
| 155. the ar_____nt against capital punishment | <i>n.</i> a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute |
| 156. bi_____ve correspondence | <i>adj.</i> (of mathematics) describing a function that is both injective (every element in the range is mapped to by at most one element in the domain) and surjective (every element in the range is mapped to by at least one element in the domain) |
| 157. an inf_____al newspaper | <i>adj.</i> having significant impact or power on someone or something |
| 158. met_____gy for optimizing | <i>n.</i> a set of ways or principles of doing, teaching, or studying something |
| 159. legal fr_____rk | <i>n.</i> the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text |
| 160. a glad oc_____on | <i>n.</i> a time or event that is suitable or appropriate for something to happen or be done; a particular event or circumstance that requires or allows for something to be done |

ANSWERS: 152. apparent, 153. numerical, 154. alphabet, 155. argument, 156. bijective, 157. influential, 158. methodology, 159. framework, 160. occasion

161. in___t under the skin	<i>v.</i> to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
162. corollary th____m	<i>n.</i> a statement or proposition that can be demonstrated or proved to be true, typically by logical or mathematical reasoning
163. reb____us spirit	<i>adj.</i> characterized by a tendency to rebel or resist authority or conventions; inclined to do the opposite of what is expected or customary
164. noted sc____r	<i>n.</i> professor; a person who studies a topic in considerable depth, particularly in a university
165. accounting f__m	<i>adj.</i> resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company
166. sur____ve linear transformation	<i>adj.</i> relating to a function in mathematics that maps every element in the codomain or range to at least one element in the domain
167. cor____nd with a foreign student	<i>v.</i> to match or be similar to something else almost exactly; to exchange messages
168. de___e a question	<i>v.</i> to make up someone's mind about something; to come to a conclusion or judgment after considering options

ANSWERS: 161. inject, 162. theorem, 163. rebellious, 164. scholar, 165. firm, 166. surjective, 167. correspond, 168. decide

169. di_____te impact *adj.* very different or distinct from something else and is not connected or comparable in any way
170. a congratulatory te_____am *n.* a message sent by telegraph (= a method of long-distance transmission of messages by electrical or radio signals), typically consisting of a few words and sent at a reduced rate for urgent or brief communications
171. re__r to a map *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
172. silly p_n *n.* a humorous play on words or use of words that sound similar but have different meanings, often for a comedic effect; a form of wordplay
173. over sub_____nt months *adj.* happening or occurring later or after something else
174. cor_____nd to a standard *v.* to match or be similar to something else almost exactly; to exchange messages
175. pu_____ly accessible record *adv.* in a manner accessible to or observable by the public; by the government
176. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 169. disparate, 170. telegram, 171. refer, 172. pun, 173. subsequent, 174. correspond, 175. publicly, 176. process

177. de___e my position *v.* to state or explain precisely the nature, scope, or meaning of something
178. a good grounding in mat_____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
179. fu_____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
180. f__m grip *adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company

ANSWERS: 177. define, 178. mathematics, 179. function, 180. firm

Session 3: Fill in the Blanks

1. The project's _____ made it difficult for the team to complete it on time.
n. the state or quality of being complicated or intricate and difficult to understand
2. She agreed to _____ with him in creating new artwork.
v. to work with someone else to produce or achieve something
3. She couldn't _____ whether to order the pizza or the pasta for dinner.
v. to make up someone's mind about something; to come to a conclusion or judgment after considering options
4. We are developing a new _____ for assessing marketing measures.
n. a set of ways or principles of doing, teaching, or studying something
5. The group of teenagers played an innocent _____ on their teacher, but it backfired, and they got in trouble.
n. a playful or mischievous trick, practical joke, or act of mischief performed with the intention of amusing or surprising others
6. In the _____ meeting, the team discussed ways to improve productivity.
adj. happening or occurring later or after something else
7. Science is based on the _____ classification of experience.
adj. done or acting according to a determined set of systems or plans:
8. It is an _____ in mathematics that two parallel lines never intersect.
n. a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based

ANSWERS: 1. complexity, 2. collaborate, 3. decide, 4. methodology, 5. prank, 6. subsequent, 7. systematic, 8. axiom

9. The _____ between the two sides over the proposed policy was heated.
- n.* a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
10. He stepped on the gas pedal, and the engine released a loud ____.
- n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
11. Please _____ to the instruction manual for further assistance.
- v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
12. The _____ of the tree had fallen and blocked the road.
- n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
13. He strove to memorize the Hebrew _____.
- n.* a character set that includes letters and is used to write a language
14. He devised a new analytical _____ to capture the phenomenon.
- n.* the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text
15. I need to _____ my car regularly to prevent any major mechanical issues.
- v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
16. Mathematicians use _____ functions to map one set onto another.
- adj.* relating to a function in mathematics that maps every element in the codomain or range to at least one element in the domain

ANSWERS: 9. argument, 10. rev, 11. refer, 12. branch, 13. alphabet, 14. framework, 15. maintain, 16. surjective

17. The company's _____ in the market was expanding to new territories.
n. a specific sphere of influence or control; a specific field of knowledge or expertise
18. Parallel lines are, by _____ lines on the same plane that never cross.
n. a concise explanation of the meaning of a word, phrase, or symbol
19. To advance this discussion, we must _____ "success" rigorously.
v. to state or explain precisely the nature, scope, or meaning of something
20. You are not _____ in your behavior.
adj. always behaving or happening in the same way, or having the same thoughts, standards, etc.
21. Humankind took centuries to _____ true democracy.
v. to finish or achieve something successfully
22. The country's economic policies have led to political _____.
n. the state of disorganization or untidiness in a situation or place; a mental state characterized by a lack of clear and orderly thought and behavior
23. The former emperor had a particular _____ even after he abdicated.
n. the ability to affect someone's or something's character, growth, or behavior, or the effect itself
24. I had an _____ feeling that I might be pregnant.
adj. obtained through feelings rather than facts or proof
25. _____ the text from Italian into English.
v. to convert or change words into another language

ANSWERS: 17. domain, 18. definition, 19. define, 20. consistent, 21. accomplish, 22. disarray, 23. influence, 24. intuitive, 25. Translate

26. The new smartphone model is _____ to the previous version in terms of speed and features.

adj. better, higher in quality, or more advanced than others

27. Efficiency isn't an essential _____ here; fairness is.

n. a fundamental law or truth that explains or controls how something happens or works

28. The children's faces were filled with _____ as they ran around the playground.

n. a feeling of great happiness, joy, or pleasure, often accompanied by laughter or exuberance; a sense of delighted satisfaction from a positive result or accomplishment

29. This star is _____ to the naked eye.

adj. able to see or understand easily or clearly

30. The systems we have developed has accepted as industry _____.

n. something that is regarded as usual, typical, or standard

31. She wore her best dress for the special _____.

n. a time or event that is suitable or appropriate for something to happen or be done; a particular event or circumstance that requires or allows for something to be done

32. The brain is an incredibly complex organ that controls the body's _____.

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 26. superior, 27. principle, 28. glee, 29. apparent, 30. norms, 31. occasion, 32. function

33. They hope to _____ their business worldwide.

- v.* to increase or to make something greater in size, number, or importance

34. The author published these writings under a _____.

- n.* a name someone, especially a writer, uses instead of their real name; a pen name

35. 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

36. His _____ toward her was unacceptable and resulted in his being fired.

- n.* a remark or action that causes offense or disrespect; (verb) to treat, mention, or speak to rudely

37. Her _____ attitude often got her into trouble with the school authorities.

- adj.* characterized by a tendency to rebel or resist authority or conventions; inclined to do the opposite of what is expected or customary

38. She is very _____ in her thoughts.

- adj.* based on or following traditional rules, standards, customs, etc.

39. You won't have to pay college tuition if you're a _____.

- n.* professor; a person who studies a topic in considerable depth, particularly in a university

40. I needed help understanding the advanced _____ course material.

- n.* a branch of mathematics that deals with rates of change and limits; the accumulation of hard mineral deposits that can form in organs or ducts in the body, such as kidney stones or gallstones

ANSWERS: 33. expand, 34. pseudonym, 35. assumes, 36. insult, 37. rebellious, 38. conventional, 39. scholar, 40. calculus

41. He sent a _____ to let his family know he was safe.

- n.* a message sent by telegraph (= a method of long-distance transmission of messages by electrical or radio signals), typically consisting of a few words and sent at a reduced rate for urgent or brief communications

42. In mathematics, a _____ function has a one-to-one mapping between two sets.

- adj.* (of mathematics) describing a function that is both injective (every element in the range is mapped to by at most one element in the domain) and surjective (every element in the range is mapped to by at least one element in the domain)

43. There's no _____ in his description.

- n.* a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments

44. The _____ deadline for submitting the project is tomorrow, so we need to work efficiently to finish on time.

- adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company

45. All the supervisor has to do is assign tasks that make his subordinates more _____.

- adj.* relating to or involving the use of skill and original and unusual ideas to create something

46. She intends to _____ a political career.

- v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them

ANSWERS: 41. telegram, 42. bijective, 43. logic, 44. firm, 45. creative, 46. pursue

47. The scenery of the battlefield was _____ and grey.

adj. empty, simple, or apparent; devoid of any qualifications

48. The organization worked to bring together _____ groups in the community.

adj. very different or distinct from something else and is not connected or comparable in any way

49. The academy is known for its _____ faculty and rigorous curriculum.

adj. having a high reputation or status; respected or honored; widely recognized as being of high quality or importance

50. Since independence, the area has been completely _____.

v. to intentionally not listen or pay attention to

51. I will introduce you to how to _____ the leading causes of the malfunction.

v. to recognize someone or something and say or prove who or what they are

52. Their headquarters are in a _____ skyscraper.

adj. of or belonging to the present time or recent times

53. Her research team made an important _____.

n. the act or process of finding information, a place, or an object, or learning about something that was previously not known

54. The daredevil attempted a dangerous _____ by jumping off a tall building with a parachute.

n. a feat or action that is often dangerous or difficult, designed to attract attention or admiration; something that blocks or impedes growth or development; (verb) to hinder or impede growth or development, especially in a physical or mental sense

ANSWERS: 47. stark, 48. disparate, 49. prestigious, 50. ignored, 51. identify, 52. modern, 53. discovery, 54. stunt

55. The _____ value of Pi is approximately 3.14.

adj. relating to, expressed, or denoted by a number

56. The thief used a clever _____ to access the bank's vault.

n. a trick or deception used to achieve a strategic or tactical advantage; a strategy or plan used to deceive or mislead someone

57. The comedian's _____ had the audience laughing out loud.

n. a humorous play on words or use of words that sound similar but have different meanings, often for a comedic effect; a form of wordplay

58. The numbers on the sign _____ to points on the map.

v. to match or be similar to something else almost exactly; to exchange messages

59. Gödel's incompleteness _____ prove the limitations of formal systems, including mathematical ones.

n. a statement or proposition that can be demonstrated or proved to be true, typically by logical or mathematical reasoning

60. She _____ denounced the government's mishandling of the economic crisis.

adv. in a manner accessible to or observable by the public; by the government

61. Let's try to _____ a bit of enthusiasm into your performance.

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

62. It's intriguing to compare and _____ the two authors.

v. to put in opposition to show or emphasize differences

ANSWERS: 55. numerical, 56. ruse, 57. pun, 58. correspond, 59. theorems, 60. publicly, 61. inject, 62. contrast

63. The physician is reading the _____ related to medicine
n. a newspaper or magazine specialized in a specific topic or profession
64. The invention of the camera triggered the development of _____ painting.
adj. based on general ideas, feelings, or qualities and not on any a physical or concrete existence
65. The spotlight gave the central figure increased _____.
n. particular importance or significance that is given to something
66. The _____ plot of the movie left many viewers needing clarification and satisfaction.
adj. lacking coherence or connectivity; not flowing smoothly or logically; disconnected or fragmented
67. The majority of consumers _____ this brand with quality.
v. to mentally connect someone or something with someone or something else
68. The archaeologist carefully pieced together the tiny _____ of pottery found at the dig site.
n. a small piece or part broken off or detached
69. The community greatly respected and sought after the older adult's _____.
n. the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
70. The way he manages his employees is extremely _____.
adj. allowing or demanding no deviation from a standard; extremely careful, thorough, or accurate

ANSWERS: 63. journals, 64. abstract, 65. emphasis, 66. disjointed, 67. associate, 68. fragments, 69. wisdom, 70. rigorous

71. The _____ number on the dial was 3.

adj. similar to, connected with, or accompanying something, especially in position or purpose

72. The results of the two experiments were in _____.

n. the letters, emails, etc., especially official or business ones; the quality or state of being the same in amount, number, status

73. Greed and _____ composed his personality.

n. a strong wish to do or achieve something

74. The third season of the anime show has been _____.

v. to make something known or officially inform people about something

75. After years in the limelight, the actor decided to retreat from the public eye and become a _____.

n. a person who lives in solitude and isolation

76. He wants to _____ ownership of the abandoned property.

v. to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

77. _____ is better than argument.

n. a fact or piece of information that shows something is true or exists

78. The patient's _____ on painkillers became a serious concern for their healthcare team.

n. the state or condition of relying or depending on someone or something else; a relationship in which one person or thing is influenced, controlled, or supported by another

ANSWERS: 71. corresponding, 72. correspondence, 73. ambition, 74. announced, 75. recluse, 76. claim, 77. Proof, 78. dependence

79. Mozart was a musical _____.

n. someone who has exceptional intellectual ability and originality

80. The political situation _____ the country's economic growth and foreign relations.

v. to restrict or limit someone or something's freedom or ability to do something

81. The man's _____ was published in the local newspaper.

n. a notice of someone's death, often appearing in a newspaper or online; a published account of someone's life and achievements after their death

82. Early childhood experiences are very _____ for people.

adj. having significant impact or power on someone or something

83. The company _____ the job candidate's application due to a lack of experience.

v. to refuse to accept, consider, or use something or someone

84. The industrial _____ laws were passed with little to no alteration.

n. the way two persons or groups of people feel and act toward one another

85. He has a flair for _____.

n. the science dealing with the logic of quantities, shapes, spaces, and arrangement

86. The _____ by the citizen resulted in a redistribution of wealth.

n. a large-scale attempt to overthrow the government of a country, often using violence or war;

ANSWERS: 79. genius, 80. constrained, 81. obituary, 82. influential, 83. rejected, 84. relations, 85. mathematics, 86. revolution

87. The _____ for applying for a visa can be lengthy and complicated.

- n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

88. Little children tend to have _____ friends.

- adj.* existing only in someone's mind

89. Necessity is the mother of _____.

- n.* the creation of a new device or process resulting from study and experimentation; the act of inventing

90. _____ is the start, not the end, of intelligence.

- n.* a feeling of being uncertain about something, especially about how good or accurate it is

ANSWERS: 87. process, 88. imaginary, 89. invention, 90. Doubt