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Vocabulary Builder Reference from...

Christian Rudder: Inside OKCupid: The math of online dating | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

Christ

n. the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity

synonym : Savior, Jesus Christ, Jesus

(1) teaching of **Christ**, (2) before **Christ**

Christmas is the day to celebrate the birth of Christ.

rudder

n. a flat, vertical blade at the rear of a vessel that can be turned horizontally to steer the vessel by changing its direction of movement; a device used in aircraft to control its yaw (side-to-side movement)

synonym : helm, tiller, steering gear

(1) **rudder** control, (2) **rudder** movement

The small boat's **rudder** was damaged in the storm, making it difficult to steer.

founder

n. a person who establishes an organization, institution, or business; the structural component of a ship or boat that provides stability and resistance against capsizing

synonym : establisher, originator, architect

(1) **founder** of a company, (2) non-profit **founder**

The company's **founder** envisioned creating innovative technology that would change the world.

statistics

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

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**.

analytical

adj. relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze

synonym: investigative, logical, cogent

(1) **analytical** approach, (2) **analytical** ability

He is **analytical** and can break down complex problems into manageable parts.

algorithm

n. a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation

synonym: logic, method, rule

(1) the RSA **algorithm**, (2) **algorithm** for image processing

We can evaluate the performance of an **algorithm** in terms of computation time.

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.

fancy

v. to want to do or have something; (noun) something that many people believe but that is false, or that does not

exist; imagination or fantasy

synonym : imagine, visualize, (noun) fantasy

(1) **fancy** a cup of coffee, (2) a flight of **fancy**

I don't **fancy** acting in such an important role.

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.

significance

n. the importance or value attached to something; the quality of being significant or noteworthy

synonym : importance, value, worth

(1) **significance** level, (2) mystical **significance**

The **significance** of his discovery cannot be overstated.

phrase

n. a group of words that mean something specific when used together

synonym : expression, idiom, term

(1) ready-made **phrases**, (2) noun **phrase**

We bought a Spanish **phrase** book.

probable

adj. likely to happen or likely to be true

synonym : likely, possible, potential

(1) **probable** outcome, (2) **probable** cause of a fire

It seems **probable** that he has forgotten our scheduled meeting.

excel

v. to be extremely good at or proficient in doing something

synonym : outdo, shine, surpass

(1) **excel** in description, (2) **excel** at communication

The company **excels** in customer service.

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.

paperweight

n. a small, heavy object, often made of glass or metal, that is designed to hold down papers or other items on a desk or table; an object, usually an electronic device or piece of machinery, that is non-functional or useless for its intended purpose

synonym: desk weight, document holder

(1) metallic **paperweight**, (2) **paperweight** gift

The stained-glass **paperweight** added a pop of color to the desk.

pervasive

adj. spreading or existing throughout every part of a thing or place

synonym: extensive, ubiquitous, prevalent

(1) **pervasive** language, (2) the **pervasive** odor of garlic

Suspicion and worry were **pervasive** in our minds.

surprisingly

adv. in a way that causes amazement or wonder

synonym: exceptionally, notably, unusually

(1) **surprisingly** advanced culture, (2) have **surprisingly** little effect

The exam was **surprisingly** tricky for everyone.

addition

n. the act or process of adding something to something else; the process of adding numbers

synonym: accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

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.

tricky

adj. requiring care and skill because challenging to do or deal with

synonym : thorny, problematic, crafty

(1) **tricky** problem, (2) a **tricky** recipe to follow

We have discussed the entirety of this **tricky** problem.

mysterious

adj. difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement

synonym : enigmatic, cryptic, puzzling

(1) **mysterious** object, (2) **mysterious** stranger

The **mysterious** disappearance of the ship remains unsolved.

attraction

n. a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity

synonym : allure, appeal, interest

(1) the big **attraction** of the event, (2) popular tourist

attraction

She felt an instant **attraction** toward him.

component

n. one of several parts that combines with others to form something bigger

synonym : element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

quest

n. a long or challenging search for something

synonym : exploration, inquisition, pursuit

(1) the **quest** for truth, (2) on a **quest** for happiness
That adventurer traveled in **quest** of buried treasure.

scare

v. to frighten a person or animal, or to become frightened
synonym: frighten, spook, intimidate

(1) **scare** off her attacker by screaming, (2) **scare** the birds away

We hit the ground to **scare** out the rabbits.

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.

massive

adj. enormous amount; very heavy and solid

synonym: enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

specify

v. to explain or state something clearly and exactly

synonym: establish, pinpoint, identify

(1) **specify** a cause, (2) **specify** an option

You can **specify** the font color by clicking the Color tab.

dimension

n. a measurable extent of a particular kind, such as width, height, or length

synonym: extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**

Overall **dimensions** are approximately 400x200mm.

burning

adj. intense or scorching heat

synonym: scorching, blazing, smoldering

(1) **burning** desire, (2) **burning** passion

The fire spread rapidly, engulfing everything in its path in a **burning** inferno.

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**.

weigh

v. to have a particular weight; to carefully evaluate things before making a conclusion

synonym: consider, cogitate, count

(1) **weigh** heavily on stock prices, (2) **weigh** a cargo

The baby **weighs** 1 pound 3 oz.

irrelevant

adj. not connected with or related to something and therefore not important

synonym: unrelated, immaterial, extrinsic

(1) an **irrelevant** thought, (2) do something **irrelevant**

They removed **irrelevant** content from the slides.

mandatory

adj. required by a rule or law, compulsory

synonym: compulsory, obligatory, required

(1) a **mandatory** clause, (2) **mandatory** training

Attendance at the meeting is **mandatory** for all employees.

crunch

n. a loud, crackling noise made by something being crushed or broken; a difficult or critical situation

synonym: crushing, snapping, crisis

(1) financial **crunch**, (2) a gas **crunch**

The **crunch** of the leaves underfoot was heard as they walked through the park.

numb

adj. unable to feel physical sensation and movement; not showing human feeling or sensitivity

synonym : dazed, insensitive, emotionless

(1) **numb** with cold, (2) a **numb** mind

My left arm became **numb**.

practical

adj. of or connected with actual use or real situation rather than with theory and ideas

synonym : applicable, functional, realistic

(1) **practical** English, (2) gain **practical** experience

Her concept is highly **practical** and helpful.

percentage

n. the number, amount, or rate of something, which is usually the amount per hundred

synonym : rate, ratio, portion

(1) the **percentage** of the gold content, (2) a high **percentage**

What is the **percentage** of the consumption tax in the United States?

compute

v. to make a mathematical calculation

synonym : calculate

(1) **compute** an average score, (2) **compute** the value

I tried to **compute** the efficiency of the investment.

messy

adj. disorganized and untidy

synonym : cluttered, disorganized, untidy

(1) **messy** data, (2) **messy** handling

His **messy** bedroom is always a source of frustration for his mother.

possibility

n. a chance that something may happen or be true

synonym : chance, prospect, likelihood

(1) **possibility** for growth, (2) **possibility** of a major earthquake

The **possibility** of getting the disease will drastically

increase.

organ

n. a part of the body of an animal or plant that has a particular purpose and performs a specific job

synonym: function, structure

(1) **organ** bleeding, (2) damage to internal **organs**

These infections have the potential to impact practically every **organ** system.

neat

adj. clean or tidy, with everything in its place

synonym: tidy, uncluttered, refined

(1) a **neat** piece of work, (2) **neat** idea

She has **neat** habits.

freak

n. an abnormality that is not typical or expected

synonym: anomaly, deviation, oddity

(1) a rock **freak**, (2) **freak** weather

The **freak** accident caused the car to flip over and land on its roof.

spotlight

n. a beam of light used to illuminate a particular area or person

synonym: limelight, stage light, highlight

(1) **spotlight** effect, (2) **spotlight** moment

The singer was in the **spotlight** as she performed her hit song.

assign

v. to give a specific job or piece of work to a someone

synonym: entrust, delegate, designate

(1) **assign** projects, (2) **assign** top priority

Please **assign** a different color to each other kind of item.

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.

absolutely

adv. without restriction or limitation; completely or utterly
synonym: completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl

I am **absolutely** opposed to his idea because of morality.

calculation

n. the act or process of using numbers to judge an amount of something

synonym: analysis, computation, estimate

(1) make a **calculation**, (2) **calculation** of loss and gain

The error in the **calculation** was attributable to rounding.

satisfy

v. to make somebody pleased by giving them what they want or need

synonym: please, amuse, meet

(1) **satisfy** a desire, (2) **satisfy** a user's needs

Did this response **satisfy** your request?

indicate

v. to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly

synonym: hint, suggest, show

(1) **indicate** a preference, (2) **indicate** an error

The data **indicates** that the company's profits have steadily increased over the past quarter.

satisfactory

adj. meeting the requirements or expectations; acceptable

synonym: acceptable, sufficient, good enough

(1) **satisfactory** performance, (2) **satisfactory** outcome

The results of the test were **satisfactory** and met our expectations.

expression

n. the act of conveying thoughts, feelings, or ideas using words, facial expressions, body language, or art; a look or gesture that conveys a particular emotion or mood

synonym: statement, utterance, remark

(1) artistic **expression**, (2) **expression** of interest

His facial **expression** showed a mix of surprise and confusion.

opposed

adj. being completely different from something or disagreeing strongly with something

synonym: anti, averse, hostile

(1) two **opposed** characters, (2) absolutely **opposed** to abortion

I'm strongly **opposed** to that plan.

formula

n. a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement

synonym: expression, recipe, procedure

(1) structural **formula**, (2) a binomial **formula**

The teacher told the students to memorize the math **formula**.

geometric

adj. relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)

synonym: mathematical, symmetrical, regular

(1) a **geometric** proof, (2) **geometric** pattern

The **geometric** shapes and patterns in the artwork are visually stunning.

combine

v. to join or merge to form a single thing or group

synonym: coalesce, cohere, blend

(1) **combine** chemically with another substance,

(2) **combine** augmented reality

Hydrogen and oxygen **combine** to form water.

represent

v. to speak, act, or be present on behalf of another person or group; to form or constitute

synonym: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international

conference.

romantic

adj. of or relating to love or a sexual relationship

synonym : idealistic, unrealistic, amatory

(1) **romantic** movies, (2) **romantic** breakup

It was his first **romantic** love.

religion

n. a deep conviction in a supernatural power that controls human destiny

synonym : faith, creed, belief

(1) **religion** sociology, (2) freedom of **religion**

Their **religion** strictly prohibits them from drinking or gambling.

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.

affection

n. a feeling of fondness, love, or attachment towards someone or something; a gentle or tender feeling; often used to describe a warm or caring relationship between individuals

synonym : love, fondness, tenderness

(1) deep **affection**, (2) show **affection**

Her unwavering **affection** for animals led her to become a veterinarian.

mutual

adj. common to or shared by two or more parties

synonym : shared, common, joint

(1) share of a **mutual** fund, (2) **mutual** efforts

They cooperated for their **mutual** benefit.

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.

margin

n. the space around the edge of a page or document;
(finance) the net sales minus the cost of goods and services sold

synonym: edge, border, periphery

(1) **margin** error, (2) a profit **margin**

Unfortunately, the book's **margin** was too small to make notes.

outline

v. to describe the main facts or aspects involved in something

synonym: recap, summarize, digest

(1) **outlined** the plan, (2) **outline** the findings

This page **outlines** our response planning for an emergency.

comp

v. short for "compensate," meaning to give goods or services to someone without asking for payment

synonym: waive, cover, provide

(1) **comp** their meal, (2) **comp** the employees with a bonus

The casino **comped** her room and meals for being a high-rolling gambler.

preference

n. a stronger liking or interest for something or someone than another thing or person

synonym: taste, choice, affection

(1) his meal **preferences**, (2) a particular **preference** for Chinese art

Her **preference** is comfortable clothing over fashionable ones.

phenomenon

n. something that exists and can be perceptible, especially one that is not fully understood

synonym: marvel, wonder, splendor

(1) natural **phenomenon**, (2) historical **phenomenon**

A rainbow is a natural **phenomenon**.

chip

n. a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat

synonym: flake, fragment, chunk

(1) a **chip** of wood, (2) I don't care a **chip**

We can use this campaign as a bargaining **chip** in the negotiations.

Session 2: Spelling

- | | |
|---|--|
| 1. ad_____on of vectors | <i>n.</i> the act or process of adding something to something else; the process of adding numbers |
| 2. in_____te a preference | <i>v.</i> to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly |
| 3. pr_____le outcome | <i>adj.</i> likely to happen or likely to be true |
| 4. ma_____ry training | <i>adj.</i> required by a rule or law, compulsory |
| 5. on a qu__t for happiness | <i>n.</i> a long or challenging search for something |
| 6. pe_____ve language | <i>adj.</i> spreading or existing throughout every part of a thing or place |
| 7. ro_____ic movies | <i>adj.</i> of or relating to love or a sexual relationship |
| 8. ru___r movement | <i>n.</i> a flat, vertical blade at the rear of a vessel that can be turned horizontally to steer the vessel by changing its direction of movement; a device used in aircraft to control its yaw (side-to-side movement) |
| 9. sur_____gly advanced culture | <i>adv.</i> in a way that causes amazement or wonder |
| 10. sc__e off her attacker by screaming | <i>v.</i> to frighten a person or animal, or to become frightened |

ANSWERS: 1. addition, 2. indicate, 3. probable, 4. mandatory, 5. quest, 6. pervasive, 7. romantic, 8. rudder, 9. surprisingly, 10. scare

11. n__t idea *adj.* clean or tidy, with everything in its place
12. the big att_____on of the event *n.* a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity
13. 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
14. metallic pap_____ht *n.* a small, heavy object, often made of glass or metal, that is designed to hold down papers or other items on a desk or table; an object, usually an electronic device or piece of machinery, that is non-functional or useless for its intended purpose
15. ru___r control *n.* a flat, vertical blade at the rear of a vessel that can be turned horizontally to steer the vessel by changing its direction of movement; a device used in aircraft to control its yaw (side-to-side movement)
16. c__p the employees with a bonus *v.* short for "compensate," meaning to give goods or services to someone without asking for payment
17. ge_____ic pattern *adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)
18. mys_____us object *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement

ANSWERS: 11. neat, 12. attraction, 13. multiply, 14. paperweight, 15. rudder, 16. comp, 17. geometric, 18. mysterious

19. share of a mu___l fund *adj.* common to or shared by two or more parties
20. ma___e stars *adj.* enormous amount; very heavy and solid
21. his meal pre_____ces *n.* a stronger liking or interest for something or someone than another thing or person
22. a good grounding in mat_____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
23. ex__l in description *v.* to be extremely good at or proficient in doing something
24. co___e the value *v.* to make a mathematical calculation
25. a tr___y recipe to follow *adj.* requiring care and skill because challenging to do or deal with
26. mat_____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
27. we__h a cargo *v.* to have a particular weight; to carefully evaluate things before making a conclusion
28. ana_____al ability *adj.* relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze
29. fa__y a cup of coffee *v.* to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy

ANSWERS: 19. mutual, 20. massive, 21. preference, 22. mathematics, 23. excel, 24. compute, 25. tricky, 26. mathematics, 27. weigh, 28. analytical, 29. fancy

30. pap_____ht gift *n.* a small, heavy object, often made of glass or metal, that is designed to hold down papers or other items on a desk or table; an object, usually an electronic device or piece of machinery, that is non-functional or useless for its intended purpose
31. non-profit fo_____r *n.* a person who establishes an organization, institution, or business; the structural component of a ship or boat that provides stability and resistance against capsizing
32. the pe_____ve odor of garlic *adj.* spreading or existing throughout every part of a thing or place
33. co_____e augmented reality *v.* to join or merge to form a single thing or group
34. new di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
35. re_____nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
36. al_____hm for image processing *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
37. show af_____on *n.* a feeling of fondness, love, or attachment towards someone or something; a gentle or tender feeling; often used to describe a warm or caring relationship between individuals
38. a n__b mind *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity

ANSWERS: 30. paperweight, 31. founder, 32. pervasive, 33. combine, 34. dimension, 35. represent, 36. algorithm, 37. affection, 38. numb

39. deep af_____on *n.* a feeling of fondness, love, or attachment towards someone or something; a gentle or tender feeling; often used to describe a warm or caring relationship between individuals
40. abs_____ly against *adv.* without restriction or limitation; completely or utterly
41. the crosswise di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
42. ready-made ph___es *n.* a group of words that mean something specific when used together
43. the qu__t for truth *n.* a long or challenging search for something
44. as___n projects *v.* to give a specific job or piece of work to a someone
45. damage to internal or__ns *n.* a part of the body of an animal or plant that has a particular purpose and performs a specific job
46. artistic exp_____on *n.* the act of conveying thoughts, feelings, or ideas using words, facial expressions, body language, or art; a look or gesture that conveys a particular emotion or mood
47. sp_____y a cause *v.* to explain or state something clearly and exactly
48. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
49. sys_____ic botany *adj.* done or acting according to a determined set of systems or plans:

ANSWERS: 39. affection, 40. absolutely, 41. dimension, 42. phrase, 43. quest, 44. assign, 45. organ, 46. expression, 47. specify, 48. statistics, 49. systematic

50. fr__k weather *n.* an abnormality that is not typical or expected
51. co____e chemically with another substance *v.* to join or merge to form a single thing or group
52. pr____le cause of a fire *adj.* likely to happen or likely to be true
53. popular tourist att____on *n.* a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity
54. a c__p of wood *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
55. mu____ly 5 and 6 *v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity
56. absolutely op____d to abortion *adj.* being completely different from something or disagreeing strongly with something
57. a flight of fa__y *v.* to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy
58. a profit ma____n *n.* the space around the edge of a page or document; (finance) the net sales minus the cost of goods and services sold
59. sp____ht effect *n.* a beam of light used to illuminate a particular area or person

ANSWERS: 50. freak, 51. combine, 52. probable, 53. attraction, 54. chip, 55. multiply, 56. opposed, 57. fancy, 58. margin, 59. spotlight

60. sp_____ht moment *n.* a beam of light used to illuminate a particular area or person
61. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
62. ana_____al approach *adj.* relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze
63. in_____te an error *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
64. c__p their meal *v.* short for "compensate," meaning to give goods or services to someone without asking for payment
65. key co_____nt *n.* one of several parts that combines with others to form something bigger
66. make a cal_____on *n.* the act or process of using numbers to judge an amount of something
67. historical phe_____on *n.* something that exists and can be perceptible, especially one that is not fully understood
68. the characters that re_____nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
69. structural fo_____a *n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement

ANSWERS: 60. spotlight, 61. statistics, 62. analytical, 63. indicate, 64. comp, 65. component, 66. calculation, 67. phenomenon, 68. represent, 69. formula

70. exp_____on of interest *n.* the act of conveying thoughts, feelings, or ideas using words, facial expressions, body language, or art; a look or gesture that conveys a particular emotion or mood
71. natural phe_____on *n.* something that exists and can be perceptible, especially one that is not fully understood
72. sat_____ory performance *adj.* meeting the requirements or expectations; acceptable
73. I don't care a c__p *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
74. pr_____s improvement *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
75. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
76. low-r_v engine *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
77. sa_____y a user's needs *v.* to make somebody pleased by giving them what they want or need

ANSWERS: 70. expression, 71. phenomenon, 72. satisfactory, 73. chip, 74. process, 75. possibility, 76. rev, 77. satisfy

78. sp____y an option *v.* to explain or state something clearly and exactly
79. cal_____on of loss and gain *n.* the act or process of using numbers to judge an amount of something
80. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
81. a rock fr__k *n.* an abnormality that is not typical or expected
82. ou_____e the findings *v.* to describe the main facts or aspects involved in something
83. bu_____g desire *adj.* intense or scorching heat
84. 3D nu_____al simulation *adj.* relating to, expressed, or denoted by a number
85. do something irr_____nt *adj.* not connected with or related to something and therefore not important
86. a sys_____ic reformation *adj.* done or acting according to a determined set of systems or plans:
87. co_____e an average score *v.* to make a mathematical calculation
88. or__n bleeding *n.* a part of the body of an animal or plant that has a particular purpose and performs a specific job
89. sa_____y a desire *v.* to make somebody pleased by giving them what they want or need
90. a binomial fo_____a *n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement
91. sc__e the birds away *v.* to frighten a person or animal, or to become frightened

ANSWERS: 78. specify, 79. calculation, 80. absolutely, 81. freak, 82. outline, 83. burning, 84. numerical, 85. irrelevant, 86. systematic, 87. compute, 88. organ, 89. satisfy, 90. formula, 91. scare

92. n__b with cold *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
93. an irr_____nt thought *adj.* not connected with or related to something and therefore not important
94. a gas cr____h *n.* a loud, crackling noise made by something being crushed or broken; a difficult or critical situation
95. bu_____g passion *adj.* intense or scorching heat
96. ma____n error *n.* the space around the edge of a page or document; (finance) the net sales minus the cost of goods and services sold
97. sig_____nce level *n.* the importance or value attached to something; the quality of being significant or noteworthy
98. me__y data *adj.* disorganized and untidy
99. a ma_____ry clause *adj.* required by a rule or law, compulsory
100. gain pr_____al experience *adj.* of or connected with actual use or real situation rather than with theory and ideas
101. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
102. the nu_____al keypad *adj.* relating to, expressed, or denoted by a number
103. re_____on between cause and effect *n.* the way two persons or groups of people feel and act toward one another

ANSWERS: 92. numb, 93. irrelevant, 94. crunch, 95. burning, 96. margin, 97. significance, 98. messy, 99. mandatory, 100. practical, 101. decide, 102. numerical, 103. relation

104. fo____r of a company *n.* a person who establishes an organization, institution, or business; the structural component of a ship or boat that provides stability and resistance against capsizing
105. ro____ic breakup *adj.* of or relating to love or a sexual relationship
106. two op____d characters *adj.* being completely different from something or disagreeing strongly with something
107. we__h heavily on stock prices *v.* to have a particular weight; to carefully evaluate things before making a conclusion
108. chemical ad____on *n.* the act or process of adding something to something else; the process of adding numbers
109. in____ve judgment *adj.* obtained through feelings rather than facts or proof
110. sat____ory outcome *adj.* meeting the requirements or expectations; acceptable
111. a particular pre____ce for Chinese art *n.* a stronger liking or interest for something or someone than another thing or person
112. mu____l efforts *adj.* common to or shared by two or more parties
113. a_t view *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
114. pos____ty for growth *n.* a chance that something may happen or be true

ANSWERS: 104. founder, 105. romantic, 106. opposed, 107. weigh, 108. addition, 109. intuitive, 110. satisfactory, 111. preference, 112. mutual, 113. aft, 114. possibility

115. have sur_____gly little effect *adv.* in a way that causes amazement or wonder
116. mys_____us stranger *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
117. 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
118. financial cr____h *n.* a loud, crackling noise made by something being crushed or broken; a difficult or critical situation
119. ma_____e amounts *adj.* enormous amount; very heavy and solid
120. teaching of Ch____t *n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity
121. noun ph____e *n.* a group of words that mean something specific when used together
122. ex__l at communication *v.* to be extremely good at or proficient in doing something
123. the RSA al_____hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
124. re_____on of inclusion *n.* the way two persons or groups of people feel and act toward one another

ANSWERS: 115. surprisingly, 116. mysterious, 117. process, 118. crunch, 119. massive, 120. Christ, 121. phrase, 122. excel, 123. algorithm, 124. relation

125. in_____ve eating	<i>adj.</i> obtained through feelings rather than facts or proof
126. spare co_____nts for cars	<i>n.</i> one of several parts that combines with others to form something bigger
127. ou_____ed the plan	<i>v.</i> to describe the main facts or aspects involved in something
128. re_____on sociology	<i>n.</i> a deep conviction in a supernatural power that controls human destiny
129. me__y handling	<i>adj.</i> disorganized and untidy
130. 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
131. the per_____ge of the gold content	<i>n.</i> the number, amount, or rate of something, which is usually the amount per hundred
132. as___n top priority	<i>v.</i> to give a specific job or piece of work to a someone
133. a n__t piece of work	<i>adj.</i> clean or tidy, with everything in its place
134. a ge_____ic proof	<i>adj.</i> relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)
135. mystical sig_____nce	<i>n.</i> the importance or value attached to something; the quality of being significant or noteworthy
136. freedom of re_____on	<i>n.</i> a deep conviction in a supernatural power that controls human destiny

ANSWERS: 125. intuitive, 126. component, 127. outline, 128. religion, 129. messy, 130. rev, 131. percentage, 132. assign, 133. neat, 134. geometric, 135. significance, 136. religion

137. before Ch___t *n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity
138. a_t cabin *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
139. a high per_____ge *n.* the number, amount, or rate of something, which is usually the amount per hundred
140. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
141. tr___y problem *adj.* requiring care and skill because challenging to do or deal with
142. pr_____al English *adj.* of or connected with actual use or real situation rather than with theory and ideas

ANSWERS: 137. Christ, 138. aft, 139. percentage, 140. decide, 141. tricky, 142. practical

Session 3: Fill in the Blanks

1. _____ 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

2. The _____ accident caused the car to flip over and land on its roof.
n. an abnormality that is not typical or expected

3. That adventurer traveled in _____ of buried treasure.
n. a long or challenging search for something

4. The _____ value of Pi is approximately 3.14.
adj. relating to, expressed, or denoted by a number

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. The teacher told the students to memorize the math _____.
n. a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement

7. This page _____ our response planning for an emergency.
v. to describe the main facts or aspects involved in something

8. I had an _____ feeling that I might be pregnant.
adj. obtained through feelings rather than facts or proof

ANSWERS: 1. Multiply, 2. freak, 3. quest, 4. numerical, 5. aft, 6. formula, 7. outlines, 8. intuitive

9. Overall _____ are approximately 400x200mm.
n. a measurable extent of a particular kind, such as width, height, or length
10. 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
11. The casino _____ her room and meals for being a high-rolling gambler.
v. short for "compensate," meaning to give goods or services to someone without asking for payment
12. The _____ disappearance of the ship remains unsolved.
adj. difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
13. 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
14. She felt an instant _____ toward him.
n. a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity
15. The baby _____ 1 pound 3 oz.
v. to have a particular weight; to carefully evaluate things before making a conclusion
16. They removed _____ content from the slides.
adj. not connected with or related to something and therefore not important

ANSWERS: 9. dimensions, 10. process, 11. comped, 12. mysterious, 13. relations, 14. attraction, 15. weighs, 16. irrelevant

17. The _____ demonstrate that poverty and unemployment are genuine problems.
n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
18. The results of the test were _____ and met our expectations.
adj. meeting the requirements or expectations; acceptable
19. The company _____ in customer service.
v. to be extremely good at or proficient in doing something
20. Her unwavering _____ for animals led her to become a veterinarian.
n. a feeling of fondness, love, or attachment towards someone or something; a gentle or tender feeling; often used to describe a warm or caring relationship between individuals
21. The data _____ that the company's profits have steadily increased over the past quarter.
v. to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
22. Hydrogen and oxygen _____ to form water.
v. to join or merge to form a single thing or group
23. The researchers try to discover a common _____ in all types of successful organizations.
n. one of several parts that combines with others to form something bigger
24. The _____ shapes and patterns in the artwork are visually stunning.
adj. relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)

ANSWERS: 17. statistics, 18. satisfactory, 19. excels, 20. affection, 21. indicates, 22. combine, 23. component, 24. geometric

25. His facial _____ showed a mix of surprise and confusion.
n. the act of conveying thoughts, feelings, or ideas using words, facial expressions, body language, or art; a look or gesture that conveys a particular emotion or mood
26. It was his first _____ love.
adj. of or relating to love or a sexual relationship
27. The recent economic downturn has resulted in _____ layoffs.
adj. enormous amount; very heavy and solid
28. Their _____ strictly prohibits them from drinking or gambling.
n. a deep conviction in a supernatural power that controls human destiny
29. Suspicion and worry were _____ in our minds.
adj. spreading or existing throughout every part of a thing or place
30. The _____ of getting the disease will drastically increase.
n. a chance that something may happen or be true
31. She has _____ habits.
adj. clean or tidy, with everything in its place
32. Attendance at the meeting is _____ for all employees.
adj. required by a rule or law, compulsory
33. 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

ANSWERS: 25. expression, 26. romantic, 27. massive, 28. religion, 29. pervasive, 30. possibility, 31. neat, 32. mandatory, 33. rev

34. My left arm became _____.

adj. unable to feel physical sensation and movement; not showing human feeling or sensitivity

35. I am _____ opposed to his idea because of morality.

adv. without restriction or limitation; completely or utterly

36. His _____ bedroom is always a source of frustration for his mother.

adj. disorganized and untidy

37. The fire spread rapidly, engulfing everything in its path in a _____ inferno.

adj. intense or scorching heat

38. The _____ of his discovery cannot be overstated.

n. the importance or value attached to something; the quality of being significant or noteworthy

39. I tried to _____ the efficiency of the investment.

v. to make a mathematical calculation

40. We elected him to _____ us at the international conference.

v. to speak, act, or be present on behalf of another person or group; to form or constitute

41. The small boat's _____ was damaged in the storm, making it difficult to steer.

n. a flat, vertical blade at the rear of a vessel that can be turned horizontally to steer the vessel by changing its direction of movement; a device used in aircraft to control its yaw (side-to-side movement)

ANSWERS: 34. numb, 35. absolutely, 36. messy, 37. burning, 38. significance, 39. compute, 40. represent, 41. rudder

42. We can evaluate the performance of an _____ in terms of computation time.
- n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
43. The singer was in the _____ as she performed her hit song.
- n.* a beam of light used to illuminate a particular area or person
44. In _____ private corporations provide healthcare services.
- n.* the act or process of adding something to something else; the process of adding numbers
45. Her concept is highly _____ and helpful.
- adj.* of or connected with actual use or real situation rather than with theory and ideas
46. They cooperated for their _____ benefit.
- adj.* common to or shared by two or more parties
47. Did this response _____ your request?
- v.* to make somebody pleased by giving them what they want or need
48. Science is based on the _____ classification of experience.
- adj.* done or acting according to a determined set of systems or plans:
49. The company's _____ envisioned creating innovative technology that would change the world.
- n.* a person who establishes an organization, institution, or business; the structural component of a ship or boat that provides stability and resistance against capsizing

ANSWERS: 42. algorithm, 43. spotlight, 44. addition, 45. practical, 46. mutual, 47. satisfy, 48. systematic, 49. founder

50. Her _____ is comfortable clothing over fashionable ones.
n. a stronger liking or interest for something or someone than another thing or person
51. We hit the ground to _____ out the rabbits.
v. to frighten a person or animal, or to become frightened
52. I don't _____ acting in such an important role.
v. to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy
53. We have discussed the entirety of this _____ problem.
adj. requiring care and skill because challenging to do or deal with
54. Unfortunately, the book's _____ was too small to make notes.
n. the space around the edge of a page or document; (finance) the net sales minus the cost of goods and services sold
55. We bought a Spanish _____ book.
n. a group of words that mean something specific when used together
56. What is the _____ of the consumption tax in the United States?
n. the number, amount, or rate of something, which is usually the amount per hundred
57. _____ is the day to celebrate the birth of Christ.
n. the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity

ANSWERS: 50. preference, 51. scare, 52. fancy, 53. tricky, 54. margin, 55. phrase, 56. percentage, 57. Christmas

58. The error in the _____ was attributable to rounding.

n. the act or process of using numbers to judge an amount of something

59. I'm strongly _____ to that plan.

adj. being completely different from something or disagreeing strongly with something

60. The _____ of the leaves underfoot was heard as they walked through the park.

n. a loud, crackling noise made by something being crushed or broken; a difficult or critical situation

61. The stained-glass _____ added a pop of color to the desk.

n. a small, heavy object, often made of glass or metal, that is designed to hold down papers or other items on a desk or table; an object, usually an electronic device or piece of machinery, that is non-functional or useless for its intended purpose

62. He has a flair for _____.

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

63. He is _____ and can break down complex problems into manageable parts.

adj. relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze

64. These infections have the potential to impact practically every _____ system.

n. a part of the body of an animal or plant that has a particular purpose and performs a specific job

ANSWERS: 58. calculation, 59. opposed, 60. crunch, 61. paperweight, 62. mathematics, 63. analytical, 64. organ

65. You can _____ the font color by clicking the Color tab.

v. to explain or state something clearly and exactly

66. The exam was _____ tricky for everyone.

adv. in a way that causes amazement or wonder

67. It seems _____ that he has forgotten our scheduled meeting.

adj. likely to happen or likely to be true

68. Please _____ a different color to each other kind of item.

v. to give a specific job or piece of work to a someone

69. We can use this campaign as a bargaining _____ in the negotiations.

n. a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat

70. 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

71. A rainbow is a natural _____.

n. something that exists and can be perceptible, especially one that is not fully understood

ANSWERS: 65. specify, 66. surprisingly, 67. probable, 68. assign, 69. chip, 70. decide, 71. phenomenon