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Vocabulary Builder Reference from...

Dan Katz: Can you solve the cheating royal riddle? |

TED Talk

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

he_cheating_royal_riddle



All Words

IMPORTANT

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Session 1: Word List

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adj. most important or primary; (noun) a person who is in charge

synonym: essential, primary, leading

(1) **chief** accountant, (2) **chief** events of the year Mining is a **chief** source of income for the country.

adviser

n. a person who gives advice about a particular subjectsynonym: consultant, guide, expert

(1) a medical **adviser**, (2) chief **adviser**After retiring, he continued to be an **adviser** to politicians.

eccentric

adj. weird or unusual, sometimes in a funny waysynonym: bizarre, abnormal, curious

(1) display **eccentric** behavior, (2) **eccentric** characters He was **eccentric**, but he was also a genius.

declare

v. to say, state, or announce something clearly, officially, or publicly

synonym: announce, state, affirm

(1) **declare** independence, (2) **declare** my love Foreign goods from abroad must be **declared** to customs when entering a country. heir

 a person who has the legal right to receive someone's money, property, or a title from another person when that person dies

synonym: successor, inheritor, beneficiary

(1) an imperial heir, (2) heir at law

She recognized me as her lawful heir.

arithmetic

n. the branch of mathematics that deals with numbers and numerical calculations, particularly the four basic operations of addition, subtraction, multiplication, and division

synonym: computation, calculation, math

(1) decimal arithmetic, (2) mental arithmetic

The abacus is an ancient counting device that was used for **arithmetic** calculations.

devise

v. to come up with an idea, plan, theory, etc., using your intelligence or imagination

synonym: create, concoct, invent

(1) **devise** a plan, (2) **devise** a literary plot

They had to **devise** a system that did not depend on fossil fuels.

competition

 a situation in which someone is attempting to beat or outperform another

synonym: contest, match, fight

(1) the first round of the **competition**, (2) intraspecific **competition**

Global **competition** is rising in virtually every industry.

dice

 a small cube with each side marked with a different number of spots (from 1 to 6) used in gambling and some games

synonym: cube, die

(1) dice game, (2) playing dice

He rolled the **dice**, hoping for a lucky outcome.

contest

 a competition in which people compete for supremacy in a sport or other activity; a struggle between rivals

synonym: battle, competition, match

(1) a speech contest, (2) a close contest

There was a vast **contest** between the two tribes.

royal

adj. relating to or belonging to the king or queen or a member of their family

synonym: imperial, noble, aristocratic

(1) a royal palace, (2) prince royal

She is willing to give up her position in the **royal** family to marry him.

roll

v. to move in a particular direction by turning over and over or from side to side

synonym: spin, swirl, wheel

(1) **roll** a ball, (2) **roll** down his cheeks

He was exhausted and **rolled** into bed as soon as he got home.

observe

v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

synonym: watch, monitor, scrutinize

(1) **observe** a tradition, (2) **observe** wildlife

It is important to **observe** safety procedures in the workplace to prevent accidents.

incorrect

adj. not in accordance with fact or truth or not accuratesynonym: unsound, wrong, inaccurate

(1) make an **incorrect** report, (2) an **incorrect** translation. He found my English sentences are **incorrect**.

dishonest

adj. capable of being corrupted, not honest *synonym*: fraudulent, deceitful, untrustworthy

(1) dishonest politicians, (2) promote dishonest behavior

Often in drama, **dishonest** personalities gain popularity.

achieve

v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

synonym: accomplish, attain, reach

(1) achieve success, (2) achieve milestones

I will work hard to achieve my goals and realize my dreams.

instruct

v. to teach someone practical skills or knowledge; to formally order or tell someone to do something

synonym: train, coach, guide

(1) **instruct** a student, (2) **instruct** a computer

The facility manager **instructed** the security guards to be on high alert.

cheat

v. to act dishonestly or unfairly to gain an advantage or to deceive someone; to break the rules or laws

synonym: deceive, swindle, defraud

(1) cheat on my taxes, (2) cheat in a game

Even though he knew it was wrong, he cheated on the exam.

disqualify

v. to declare someone or something ineligible or unfit for a particular role or activity; to exclude or bar someone from participation in something

synonym: disbar, invalidate, exclude

(1) **disqualify** a candidate, (2) **disqualify** from the election The athlete's lousy behavior was enough to **disqualify** him from the competition.

throne

 a chair or seat of state for a monarch or other high-ranking person; the position of being a king or queen

synonym: seat, throne, chair

(1) abdicate the **throne**, (2) imperial **throne**The king sat on his **throne**, surveying his kingdom.

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**.

kingdom

n. the country ruled by a king or queen

synonym: empire, realm, land

(1) establish his **kingdom**, (2) a subordinate **kingdom** By remaining neutral, this **kingdom** continued to exist.

proclaim

- v. to announce or state something publicly and forcefully synonym: announce, declare, trumpet
- (1) proclaim victory, (2) proclaim lawThe leader proclaimed a state of emergency in the country.

pause

 to take a short break from talking or doing something before continuing

synonym: halt, break, intermit

(1) **pause** a moment, (2) **pause** for a reaction The man **paused** before opening the door.

inspection

the act of examining, assessing, or reviewing something to ensure its accuracy, quality, safety, or compliance; the process of investigating or evaluating something

synonym: examination, review, scrutiny

inspection report, (2) regular inspection
 Before starting the project, the engineer performed an inspection of the construction site.

theoretical

 adj. relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

synonym: conceptual, conjectural, ideal

(1) **theoretical** models, (2) **theoretical** physicist Absolute zero is the lowest **theoretical** temperature.

separate

- v. to force, take, or pull apart; mark as different synonym: disunite, isolate, ramify
- (1) **separate** video into chapter, (2) **separate** cream from milk

We need to **separate** the aspect of his personality from the part of his competence when making an investment decision.

occasion

 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**.

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.

nonillion

- a cardinal number represented by 1 followed by 30 zeros
- (1) **nonillion** atoms, (2) **nonillion** stars

 The **nonillionth** digit of pi is easier to calculate with advanced computing.

perspective

 a confident attitude toward something; a particular style of thinking about something

synonym: viewpoint, standpoint, outlook

(1) a **perspective** view, (2) the **perspective** of the battle His father's death changed his whole **perspective** on life.

random

adj. made, done, or happening without method, conscious decision, or any regular pattern

synonym: incidental, arbitrary, unanticipated

(1) a random choice, (2) bombs fell at random

To find drunk drivers, police conduct **random** tests.

suspicious

adj. making you feel that someone has done something wrong, illegal, or dishonest without any evidence

synonym: fishy, questionable, doubtful

(1) report **suspicious** activity, (2) a person who is **suspicious**

We carefully examine each **suspicious** transaction report we receive.

combination

a collection of things that have been combined; an assemblage of separate parts or qualities

synonym: blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number The **combination** to the safe was a secret.

relation

 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.

integer

 a whole number, either positive, negative, or zero, that is not a fraction or decimal

synonym: whole number, real number, numeral

(1) integer division, (2) positive integer

The sum of two **integers** can be either a positive integer, a negative integer, or zero.

branch

 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.

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.

achievable

adj. possible to accomplish or attainsynonym: attainable, possible, reachable

(1) achievable task, (2) achievable plan

Setting a realistic and **achievable** goal is the key to success.

hail

to call out to someone to get their attention, often from a distance; to greet or welcome someone, especially with enthusiasm or admiration; (noun) precipitation in the form of small balls or lumps of ice that fall from the sky

synonym: greet, salute, welcome

(1) **hail** the victorious team with cheers, (2) **hail** forecast People in the area were forced to **hail** a taxi due to the lack of public transportation options.

government

 the group of people with authority to control a country or state

synonym: administration, regime, state

(1) **government** bureaucracy, (2) **government** funding The federal **government** is planning to increase taxes for the next fiscal year.

Session 2: Spelling

1.	prle cause of a fire	adj.	likely to happen or likely to be true
2.	dist politicians	adj.	capable of being corrupted, not honest
3.	a glad ocon	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
4.	chf accountant	adj.	most important or primary; (noun) a person who is in charge
5.	prince rol	adj.	relating to or belonging to the king or queen or a member of their family
6.	as ocon demands	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
7.	inson report	n.	the act of examining, assessing, or reviewing something to ensure its accuracy, quality, safety, or compliance the process of investigating or evaluating something
8.	report susus activity	adj.	making you feel that someone has done something wrong, illegal, or dishonest without any evidence
9.	a person who is susus	adj.	making you feel that someone has done something wrong, illegal, or dishonest without any evidence

ANSWERS: 1. probable, 2. dishonest, 3. occasion, 4. chief, 5. royal, 6. occasion, 7. inspection, 8. suspicious, 9. suspicious

10.	ace success	<i>v</i> .	to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
11.	prle outcome	adj.	likely to happen or likely to be true
12.	imperial the	n.	a chair or seat of state for a monarch or other high-ranking person; the position of being a king or queen
13.	the first round of the comon	n.	a situation in which someone is attempting to beat or outperform another
14.	disfy from the election	ν.	to declare someone or something ineligible or unfit for a particular role or activity; to exclude or bar someone from participation in something
15.	rI down his cheeks	<i>v</i> .	to move in a particular direction by turning over and over or from side to side
16.	positive inr	n.	a whole number, either positive, negative, or zero, that is not a fraction or decimal
17.	ance candidacy	<i>v</i> .	to make something known or officially inform people about something
18.	cht in a game	ν.	to act dishonestly or unfairly to gain an advantage or to deceive someone; to break the rules or laws
19.	rl a ball	<i>v</i> .	to move in a particular direction by turning over and over or from side to side

ANSWERS: 10. achieve, 11. probable, 12. throne, 13. competition, 14. disqualify, 15. roll, 16. integer, 17. announce, 18. cheat, 19. roll

20.	inr division	n.	a whole number, either positive, negative, or zero, that is not a fraction or decimal
21.	disfy a candidate	ν.	to declare someone or something ineligible or unfit for a particular role or activity; to exclude or bar someone from participation in something
22.	govnt bureaucracy	n.	the group of people with authority to control a country or state
23.	achle task	adj.	possible to accomplish or attain
24.	ace milestones	<i>v</i> .	to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
25.	theal models	adj.	relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
26.	genic comons	n.	a collection of things that have been combined; an assemblage of separate parts or qualities
27.	decimal ariic	n.	the branch of mathematics that deals with numbers and numerical calculations, particularly the four basic operations of addition, subtraction, multiplication, and division
28.	matcs competition	n.	the science dealing with the logic of quantities, shapes, spaces, and arrangement

ANSWERS: 20. integer, 21. disqualify, 22. government, 23. achievable, 24. achieve, 25. theoretical, 26. combination, 27. arithmetic, 28. mathematics

29. (chief adr	n.	a person who gives advice about a particular subject
30.	promote dist behavior	adj.	capable of being corrupted, not honest
31. i	inct a student	<i>v</i> .	to teach someone practical skills or knowledge; to formally order or tell someone to do something
32. (ecic characters	adj.	weird or unusual, sometimes in a funny way
33. (govnt funding	n.	the group of people with authority to control a country or state
34. ı	reon between cause and effect	n.	the way two persons or groups of people feel and act toward one another
35. ;	a good grounding in matcs	n.	the science dealing with the logic of quantities, shapes, spaces, and arrangement
36. ı	mental ariic	n.	the branch of mathematics that deals with numbers and numerical calculations, particularly the four basic operations of addition, subtraction, multiplication, and division
37. :	achle plan	adj.	possible to accomplish or attain
38.	establish his kim	n.	the country ruled by a king or queen
39.	prim victory	v.	to announce or state something publicly and forcefully
40. (display ecic behavior	adj.	weird or unusual, sometimes in a funny way
41. :	sete video into chapter	v.	to force, take, or pull apart; mark as different

ANSWERS: 29. adviser, 30. dishonest, 31. instruct, 32. eccentric, 33. government, 34. relation, 35. mathematics, 36. arithmetic, 37. achievable, 38. kingdom, 39. proclaim, 40. eccentric, 41. separate

to come up with an idea, plan, theory, 42. de e a literary plot ν. etc., using your intelligence or imagination a small cube with each side marked 43. playing d e n. with a different number of spots (from 1 to 6) used in gambling and some games to make something known or officially 44. an ce the award winners ν. inform people about something a cardinal number represented by 1 45. no on atoms followed by 30 zeros a chair or seat of state for a monarch or 46. abdicate the th___e other high-ranking person; the position of being a king or queen 47. de___e a plan to come up with an idea, plan, theory, etc., using your intelligence or imagination 48. com on number a collection of things that have been combined; an assemblage of separate parts or qualities a small cube with each side marked 49. d e game n. with a different number of spots (from 1 to 6) used in gambling and some games 50. pa e for a reaction to take a short break from talking or doing something before continuing to force, take, or pull apart; mark as 51. se te cream from milk different to call out to someone to get their 52. h I forecast attention, often from a distance; to greet or welcome someone, especially with enthusiasm or admiration; (noun) precipitation in the form of small balls or

ANSWERS: 42. devise, 43. dice, 44. announce, 45. nonillion, 46. throne, 47. devise, 48. combination, 49. dice, 50. pause, 51. separate, 52. hail

lumps of ice that fall from the sky

53.	brh office	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
54.	h_r at law	n.	a person who has the legal right to receive someone's money, property, or a title from another person when that person dies
55.	noon stars	n.	a cardinal number represented by 1 followed by 30 zeros
56.	theal physicist	adj.	relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
57.	hI the victorious team with cheers	<i>v</i> .	to call out to someone to get their attention, often from a distance; to greet or welcome someone, especially with enthusiasm or admiration; (noun) precipitation in the form of small balls or lumps of ice that fall from the sky
58.	dee independence	<i>v</i> .	to say, state, or announce something clearly, officially, or publicly
59.	a brh pipe	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
60.	a speech cot	n.	a competition in which people compete for supremacy in a sport or other activity; a struggle between rivals
61.	prim law	<i>v</i> .	to announce or state something publicly and forcefully

ANSWERS: 53. branch, 54. heir, 55. nonillion, 56. theoretical, 57. hail, 58. declare, 59. branch, 60. contest, 61. proclaim

62.	regular inson	n.	the act of examining, assessing, or reviewing something to ensure its accuracy, quality, safety, or compliance the process of investigating or evaluating something
63.	pae a moment	<i>v</i> .	to take a short break from talking or doing something before continuing
64.	dee my love	ν.	to say, state, or announce something clearly, officially, or publicly
65.	obe wildlife	ν.	to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
66.	intraspecific comon	n.	a situation in which someone is attempting to beat or outperform another
67.	make an inct report	adj.	not in accordance with fact or truth or not accurate
68.	reon of inclusion	n.	the way two persons or groups of people feel and act toward one another
69.	a medical adr	n.	a person who gives advice about a particular subject
70.	a subordinate kim	n.	the country ruled by a king or queen
71.	chf events of the year	adj.	most important or primary; (noun) a person who is in charge
72.	a perve view	n.	a confident attitude toward something; a particular style of thinking about something

ANSWERS: 62. inspection, 63. pause, 64. declare, 65. observe, 66. competition, 67. incorrect, 68. relation, 69. adviser, 70. kingdom, 71. chief, 72. perspective

to act dishonestly or unfairly to gain an 73. ch t on my taxes ν. advantage or to deceive someone; to break the rules or laws 74. in___ct a computer to teach someone practical skills or ν. knowledge; to formally order or tell someone to do something 75. a close co____t a competition in which people compete n. for supremacy in a sport or other activity; a struggle between rivals 76. the per____ve of the battle a confident attitude toward something; a particular style of thinking about something adj. made, done, or happening without 77. a ra___m choice method, conscious decision, or any regular pattern adj. made, done, or happening without 78. bombs fell at ra___m method, conscious decision, or any regular pattern a person who has the legal right to 79. an imperial h r n. receive someone's money, property, or a title from another person when that person dies adj. relating to or belonging to the king or 80. a ro_l palace queen or a member of their family to watch or notice something carefully, 81. ob____e a tradition often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special

ANSWERS: 73. cheat, 74. instruct, 75. contest, 76. perspective, 77. random, 78. random, 79. heir, 80. royal, 81. observe

event or occasion

Vocab-Builder Ref from "Da	an Katz: Can you s	solve the cheating rov	/al riddle?	TED Talk" ((41 words)
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82. an in____ct translation

adj. not in accordance with fact or truth or not accurate

ANSWERS: 82. incorrect

Session 3: Fill in the Blanks

1.	The industrial _	laws were passed with little to no alteration.	
n.	the way two p	ersons or groups of people feel and act toward one another	
2.	They had to	a system that did not depend on fossil fuels.	
<i>v</i> .	to come up wi imagination	th an idea, plan, theory, etc., using your intelligence or	
3.	The	to the safe was a secret.	
n.	a collection of parts or qualit	things that have been combined; an assemblage of separate ies	
4.	The abacus is a calculations.	an ancient counting device that was used for	
n.		mathematics that deals with numbers and numerical calculation four basic operations of addition, subtraction, multiplication, and	
5.	She wore her b	est dress for the special	
n.		nt that is suitable or appropriate for something to happen or be ular event or circumstance that requires or allows for something	j
6.	The man	_ before opening the door.	
<i>v</i> .	to take a shor	t break from talking or doing something before continuing	
7.	People in the autransportation of	rea were forced to a taxi due to the lack of public ptions.	
ν.	welcome som	omeone to get their attention, often from a distance; to greet or eone, especially with enthusiasm or admiration; (noun) in the form of small balls or lumps of ice that fall from the sky	

paused, 7. hail

ANSWERS: 1. relations, 2. devise, 3. combination, 4. arithmetic, 5. occasion, 6.

8.	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
9.	He was but he was also a genius.
adj	weird or unusual, sometimes in a funny way
10.	He was exhausted and into bed as soon as he got home.
<i>v</i> .	to move in a particular direction by turning over and over or from side to side
11.	We need to the aspect of his personality from the part of his competence when making an investment decision.
<i>v</i> .	to force, take, or pull apart; mark as different
12.	Absolute zero is the lowest temperature.
adj	relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
13.	There was a vast between the two tribes.
n.	a competition in which people compete for supremacy in a sport or other activity; a struggle between rivals
14.	Global is rising in virtually every industry.
n.	a situation in which someone is attempting to beat or outperform another
15.	Mining is a source of income for the country.
adj	most important or primary; (noun) a person who is in charge
16.	The federal is planning to increase taxes for the next fiscal year.
n.	the group of people with authority to control a country or state
	SWERS: 8. branch, 9. eccentric, 10. rolled, 11. separate, 12. theoretical, 13. test, 14. competition, 15. chief, 16. government

17.	The athlete's lousy behavior was enough to him from the competition.
<i>v</i> .	to declare someone or something ineligible or unfit for a particular role or activity; to exclude or bar someone from participation in something
18.	She recognized me as her lawful
n.	a person who has the legal right to receive someone's money, property, or a title from another person when that person dies
19.	By remaining neutral, this continued to exist.
n.	the country ruled by a king or queen
20.	It seems that he has forgotten our scheduled meeting.
adj	likely to happen or likely to be true
21.	He found my English sentences are
	not in accordance with fact or truth or not accurate
22.	Even though he knew it was wrong, he on the exam.
<i>v</i> .	
23.	The leader a state of emergency in the country.
ν.	to announce or state something publicly and forcefully
24.	He rolled the hoping for a lucky outcome.
n.	a small cube with each side marked with a different number of spots (from 1 to 6) used in gambling and some games
	SWERS: 17. disqualify, 18. heir, 19. kingdom, 20. probable, 21. incorrect, 22. ated, 23. proclaimed, 24. dice,

25. V	We carefully examine each transaction report we receive.
adj.	making you feel that someone has done something wrong, illegal, or dishonest without any evidence
26. H	He has a flair for
n.	the science dealing with the logic of quantities, shapes, spaces, and arrangement
27. 7	Γο find drunk drivers, police conduct tests.
adj.	made, done, or happening without method, conscious decision, or any regular pattern
	The sum of two can be either a positive integer, a negative integer, or zero.
n.	a whole number, either positive, negative, or zero, that is not a fraction or decimal
29. ŀ	His father's death changed his whole on life.
n.	a confident attitude toward something; a particular style of thinking about something
30. 7	The facility manager the security guards to be on high alert.
v.	to teach someone practical skills or knowledge; to formally order or tell someone to do something
31. §	She is willing to give up her position in the family to marry him.
adj.	relating to or belonging to the king or queen or a member of their family
32. <i>F</i>	After retiring, he continued to be an to politicians.
n.	a person who gives advice about a particular subject
	WERS: 25. suspicious, 26. mathematics, 27. random, 28. integers, 29. pective, 30. instructed, 31. royal, 32. adviser

40. Often in drama, personalities gain popularity. adj. capable of being corrupted, not honest
41. The digit of pi is easier to calculate with advanced computing. n. a cardinal number represented by 1 followed by 30 zeros
ANSWERS: 40. dishonest, 41. nonillionth