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General Knowledge 0.4 For Pin Number 6

Dagnachew Jenber 1,2,*

Department of Mathematics, Bahir Dar University, Bahir Dar, Ethiopia.
Department of Mathematics, Addis Ababa Science and Technology University, Addis Ababa, Ethiopia.

Abstract

This work presents 38 number of cards from different discplines focused on english, physics and mathematics subject. The jester cards are extraneous, Provocative, Brusque, Momentum, Fraction Addition Formula and Equation of a circle.

1 mnns

አሁን ባለንበት ዘመን የአንባቢያን ማህበረሰብ እየቀነስ መምጣት አሳሳቢ ደረጃ ላይ ደርሷል። በብዙ ምክኒያት ስወች ቁጭ ብለው ማንበብ የተውበት ጊዜ ነው። ለምሳሌ ጠቃሚ ያልሆነ ሶሻል ሚዲያ ላይና በአልባሌ በታወች ጊዜን ማጥፋት ከብዙወቹ ትንሾቹ ምክኒያቶች ናቸው። በ2017 ዓ.ም ዳኛቸው ለዚህ የሚሆን መፍትሄ ብሎ ያቀረበው 0 ወይም 1 ጨዋታ በሚል ርእስ የተዘጋጀ ትልቅ አክሲዮን ማህበር አለ። ይህ አክሲዮን ማህበር ከላይ የተጠቀሰውን ችግር በሚከተሉት መልኩ መፍታት ይቻላል ብሎ ያምናል። በዚህ ፅሁፍ ውስጥ የተካተው መፍትሄ አሳማኝ ሆኖ አግኝተነዋል (ለበለጠ መረጃ የ 0 ወይም 1 መመስረቻ ፅሁፍን ይመልከቱ)። በዚህ አክሲዮን ማህበር የቀረበውን መፍትሄ ባጭሩ እንደሚከተለው አስቀምጠነዋል።

(1) ማንበብን ወይም ጥናትን መዝናኛና ገንዘብ ማግኛ እንዲሁም ደግሞ ሽልማት የሚያስገኝ ማድረግ። ከማጥኛ ወይም አዲስ እውቀትን ከማግኛ ዘዴወች ውስጥ አንደኛው ነገሮችን በተመሳሳያቸው በማዛመድ

^{*} Corresponding author: Dagnachew Jenber, dagnachew. Jenber@aastu.edu.et

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ማወቅ ነው። ለምሳሌ የአንድ እንግሊዘኛ ቃል ብዙ ተመሳሳይ ቃላቶች አሉት። እነሱን በማዛመድ ለመሸምደድ መሞከር ጥሩ ከሚባሉት ዘዴወች ውስጥ አንዱ ነው። ግን ደግሞ ይሄን ልምምዶሽ አይረሴ ለማድረግ በጨዋታ መልክ ሆኖ በቡድን እየተዝናኑና እየተወያዩ ሲሆን ተመራጭ ያደርገዋል። ካርድ በማዘጋጀት የእንግሊዘኛ ቃላቶችን ማጥናት በሚል ዙሪያ የተጠኑ ሳይንሳዊ ጥናቶች አሉ (ለምሳሌ፣ አነዚህን ይመልከቱ፣ [1, 2, 3, 7, 9, 10, 11, 12, 13, 15])

- (2) ነገሮችን በአይነት አይነታቸው እያዛጣዱ ጣወቅ ያመራምራል፣ ጠያቂ ያደርጋል፣ ከጓደኛ ጋር ያከራክራል፣ ጣመሳከሪያ መፅሃፍ ፍለጋ እስከመሄድ ድረስ ያደርሳል። እናም በዚህ መልክ ሲሆን ያን ነገር ለመርሳት ብዙ ጊዜ ይጨርሳል።
- (3) ማዛመድን ደግሞ ከጓደኛ ጋር ሆነው እየተዝናኑ በጨዋታ መልክ ካደረጉትና እውቀትንና ማወቅን ለማበረታት ደግሞ ለአሸናፊው ጉርሻ በመስጠት ከሆነ ጨዋታውም ተወዳጅ ይሆናል ማለት ነው።
- (4) ከላይ ከ1-3 የተጠቀሱትን መፍትሔወች ለማከናወን የተለያዩ አይነት አዝናኝ ጨዋታወችን ማዘጋጀት።

በዚህ ወረቀት ውስጥ፣ ለ 0 ወይም 1 ጨዋታ የሚሆን ካርድን አዘጋጅተናል። ያዘጋጀነው ካርድ ለጠቅላላ አውቀት 0.4 የሚሆን ሲሆን ከዚህ በፊት ያልተዘጋጁ ካርዶችን የሚዳስስ ነው። ያዘጋጀነውን የካርዶቹን መረጃ ባጭሩ እንደሚከተለው ገልፅንዋል። የመርፌ ብዛት=6 እና k=4 ቢሆኑ። ስለዚህ n=8*4+6=38 ይሆናል። ስለዚህ አጫዋች ካርዶችን ጨምሮ ባጠቃላይ 38 ካርዶች አሉ። ተጫዋች ካርዶች፤ 38-6=32 ካርዶች ይሆናሉ፤ 32 ደግሞ የ 8 ብዜት ነው (ለበለጠ መረጃ የዜሮ ወይም አንድ መመስረቻ ፅሆፍን ይመልከቱ)። አጫዋች ካርዶች የሚከተሉት ናቸው፤ extraneous፣ Provocative፣ Brusque፣ Momentum፣ Fraction Addition Formula እና Equation of a circle ናቸው።

2 አጫዋች ካርዶች (Jester Cards)

Definition 2.1 (Extraneous). Something that is not essential or relevant to the matter at hand. (see, [4]).

Example: In solving the equation, the solutions are valid, but if we square both sides of an equation like and get, the solution would be extraneous.

Definition 2.2 (Provocative). Causing a strong reaction, often in a deliberate way; intended to stimulate thought, debate, or controversy. (see, [5]).

Example: A provocative article questioning the validity of established scientific theories may spark debate in the academic community.

Definition 2.3 (Brusque). Abrupt, blunt, or curt in manner or speech, often perceived as rude. (see, [8]).

Example: When asked about the project's progress, his brusque reply was, "It's done. Stop asking."

Definition 2.4 (Momentum). In physics, momentum is the product of an object's mass and velocity, given by . More generally, it refers to the force or energy gained by a moving object or idea. (see, [6]).

Example: A moving car of mass 1 kg traveling at 3 m/s has a momentum of 3kg(m/s).

Definition 2.5 (Fraction Addition Formula). The sum of two fractions $\frac{a}{b}$, $\frac{c}{d}$ (where $b, d \neq 0$) is given by:

$$\frac{a}{b} + \frac{c}{d} = \frac{ad + bc}{bd}.$$

Example:

$$\frac{1}{2} + \frac{3}{4} = \frac{(1 \times 4) + (3 \times 2)}{2 \times 4} = \frac{4+6}{8} = \frac{10}{8} = \frac{5}{4}.$$

Definition 2.6 (Equation of a circle). The equation $(x - h)^2 + (y - k)^2 = r$ represents a circle centred at (h, k) with radius r (see, [14]).

a circle centred at (h,k) with radius r (see, [14]). Example: The equation $(x-1)^2 + (y-2)^2 = 1$ represents a circle centred at (1,2) with radius 1.

3 ተጫዋች ካርዶች ከነአጫዋቻቸው (Player Cards with their Jester)

- 1. extraneous=irrelevant=unrelated=unconnected=inapplicable=peripheral=immaterial.
- 2. provocative=annoying=irritating=goading=vexing=galling=exasperating.
- 3. brusque=curt=abrupt=blunt=short=sharp=terse=brisk=crisp=clipped=monosyllabic=indelicate=tactless=offhand=snappish=peremptory.
- 4. momentum=(mass)x(velocity)=the force required to bring the object to a stop in a unit length of time.

5.
$$\frac{a}{b} + \frac{c}{d} = \frac{ad + bc}{bd}$$
, $b, d \neq 0$.

6. $(x-1)^2 + (y-2)^2 = 1$ =unit circle centered at (1,2)=See Figure 1 below.

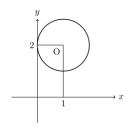


Figure 1: Circle centered at the (1,2) with radius 1.

References

- [1] Aslan, Y. "Teaching vocabulary effectively through flashcards". *International Journal of Arts & Sciences* 4.11 (2011), p. 347.
- [2] Azabdaftari, B. and Mozaheb, M. A. "Comparing vocabulary learning of EFL learners by using two different strategies: Mobile learning vs. flashcards." *The Eurocall Review* 20.2 (2012), pp. 47–59.

- [3] Bryson, D. "Using flashcards to support your learning". *Journal of visual communication in medicine* 35.1 (2012), pp. 25–29.
- [4] Dictionary, M.-W. "Merriam-webster". On-line at http://www. mw. com/home. htm 8.2 (2002), p. 23.
- [5] Dictionary, O. E. "Oxford english dictionary". Simpson, Ja & Weiner, Esc 3 (1989).
- [6] Halliday, D., Resnick, R., and Walker, J. Fundamentals of physics. John Wiley & Sons, 2013.
- [7] Kosim, N. "Improving the students' vocabulary mastery through flashcards". *Jurnal Pendidikan dan Pembelajaran* 2.9 (2013).
- [8] Miller, J. E. and Brown, E. K. *The Cambridge dictionary of linguistics*. Cambridge University Press, 2013.
- [9] Nikoopour, J. and Kazemi, A. "Vocabulary learning through digitized & non-digitized flashcards delivery". *Procedia-Social and Behavioral Sciences* 98 (2014), pp. 1366–1373.
- [10] Nugroho, Y. S., Nurkamto, J., and Sulistyowati, H. "Improving students' vocabulary mastery using flashcards". *English Education* 1.1 (2012), pp. 1–15.
- [11] Saputri, T. and Ramli, A. mardila. "Improving vocabulary mastery through flash-cards in Sartika kindergarten Surabaya". *International Conference on English Language Teaching (ICONELT 2017)*. Atlantis Press. 2017, pp. 214–218.
- [12] Senzaki, S., Hackathorn, J., Appleby, D. C., and Gurung, R. A. "Reinventing flash-cards to increase student learning". *Psychology Learning & Teaching* 16.3 (2017), pp. 353–368.
- [13] Sitompul, E. Y. "Teaching vocabulary using flashcards and word list". *Journal of English and Education* 1.1 (2013), pp. 52–58.
- [14] Stewart, J. Calculus: early transcendentals. Cengage learning, 2012.
- [15] Wahyuni, S. and Yulaida, H. "Flashcards as a means to improve EFL learners' vocabulary mastery". *JEELS (Journal of English Education and Linguistics Studies)* 1.1 (2014), pp. 47–61.