

ČEBELJI LOV

Igra je narejena v angleškem in slovenskem jeziku, da dijaki utrjujemo znanje matematike in angleščine hkrati.



NAVODILA:

Igralci se razdelijo v dve skupini (čebele in rože). Trije igralci iz vsake skupine vzamejo tri figure (tri rože, tri čebele). Rože se postavijo na prvo polje, čebele pa na polje start. Igralci iz vsake ekipe vzamejo karto z vprašanjem/računom. Katera izmed ekip pravilno izračuna lahko poljubno figuro pomakne naprej (primer: $1+1=2$; rože pravilno odgovorijo, zato se lahko pomaknejo za 1 mesto naprej). Če ena ekipa odgovori/izračuna narobe, se nasprotna ekipa lahko pomakne za eno mesto naprej. Če obe ekipi odgovorita narobe mora en član ekipe opraviti kazensko nalogo (kazenske igre so na drugih kartah). Skupina, ki prva spravi vse tri figurice na drugo stran steze zmagava. Igro vodi določen igralec. Sodnik, ki igro nadzoruje ter ima pri sebi rešitve in odgovore. Kazenske naloge: povej abecedo od zadaj naprej, naredi 10 počepov...

BEE HUNT

INSTRUCTIONS:

The players are divided into two groups (bees and flowers). Three players from each group take three pieces (three flowers, three bees). The flowers are placed on the first square, and the bees are placed on the start square. Players from each team take a question/calculation card. Which of the teams calculates correctly can move any figure forward (example: $1+1=2$; flowers answer correctly, so they can move 1 place forward). If one team answers/calculates incorrectly, the opposing team can move one place forward. If both teams answer incorrectly, one member of the team must perform a penalty task (penalty games are on other cards). The first group to get all three figures to the other side of the track wins. The game is led by a certain player. A referee who controls the game and has solutions and answers with him. Punishment tasks: say the alphabet from back to front, do 10 squats...

MATHEMATICAL TASKS:

1. Write a equation for p, q, D
2. How many zeros can you find : $f(x)=9x^2-12x+4$
3. Write split form for function: $f(x)=4x^2+4x-3$
4. Shorten the fraction: $2x^2-5x-\frac{3}{3x^2}-11x+6$
5. Calculate: $f(27)$ if $f(x)=\log_3x$
6. Find the zero: $f(x)=\log_3(4x-1)-3$
7. Find the zero: $\log_2(x-4)$
8. Calculate: $\log_3x=\log_37+\log_34$
9. Write a equation for new basis
10. Calculate: $2\log_4\frac{x+1}{x-1} = 1$

SOLUTIONS:

1. $p=-b/2a$, $q=-D/4a$, $D=b^2-4ac$
2. Just one because D is zero
3. $4(x-1/2)(x+3/2)$
4. $(x-3)(2x+1)$
5. 3
6. $x=7$
7. $x=5$
8. $x=28$
9. $\text{Log}_a x = \frac{\log b x}{\log b a}$
10. $x=3$

EXTRA TASKS:

1. Spin 10 times and walk straight ahead.
2. Name 5 European countries.
3. List the colors of the rainbow.
4. Spell your name backwards.
5. Read a slovenian sentence: Pešec gre čez cestišče.
6. Say the colors of slovenian flag.
7. Say one slovenian word.
8. Name 5 vegetables.
9. Name 5 fruits.
10. Say the alphabet backwards.

FIGURE:



IGRALNA PODLOGA

