Impact Factor: 9.9 ISSN-L: 2544-980X

Some Examples the Balance of Mathematics in Much of Unconventional Methods

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Annotatsiya: Mathematicians have such a transplant – "multiple instances in the same way than the balance when the balance in several different methods, I prefer one example is to say". We also transplant in the case that the same applies to some unconventional methods to add actions to have made example. Examples of using this method is quick, easy and would be understandable for the young reader, that we will provide.

Key words: Traditional methods and unconventional methods, a short breeding formula, divide the to multiple multipliers.

Example initially and then our traditional, unconventional method, we show the dimensions in the balance.

1-Example: $\frac{488\cdot 475-462}{244+475\cdot 243}$ select calculate.

Solve: (a traditional method)

$$\frac{488\cdot 475-462}{244+475\cdot 243}=\frac{2\cdot(244\cdot 475-231)}{244+475\cdot 243}=\frac{2\cdot((243+1)\cdot 475-231)}{244+475\cdot 243}=\frac{2\cdot(243\cdot 475+475-231)}{244+475\cdot 243}=$$

$$=\frac{2\cdot(243\cdot 475+244)}{244+475\cdot 243}=2 \qquad Javob: 2$$

Solve: (the unconventional method). In this example, we saved only the number of the order of actions in case of solving birlar on the steps of the room do as well, that is as follows

$$\frac{488\cdot 475-462}{244+475\cdot 243}=\frac{8\cdot 5-2}{4+5\cdot 3}=\frac{40-2}{4+15}=\frac{38}{19}=2 \quad Javob: 2$$

2 - Example: $\frac{2,21\cdot 5,95+1,51}{6,42\cdot 5,95-8,88}$ select calculate.

Solve: (a traditional method).

$$\frac{2,21\cdot 5,95+1,51}{6,42\cdot 5,95-8,88}=\frac{2,21\cdot 5,95+1,51}{2\cdot(3,21\cdot 5,95-4,44)}=\frac{2,21\cdot 5,95+1,51}{2\cdot((2,21+1)\cdot 5,95-4,44)}=$$

$$=\frac{2,21\cdot 5,95+1,51}{2\cdot(2,21\cdot 5,95+5,95-4,44)}=\frac{2,21\cdot 5,95+1,51}{2\cdot(2,21\cdot 5,95+1,51)}=\frac{1}{2} \qquad Javob: \frac{1}{2}$$

Solve: (unconventional method). Also in this example the 1-accomplished in the example, we will use unconventional method, i.e.

$$\frac{2,21\cdot 5,95+1,51}{6,42\cdot 5,95-8,88}=\frac{2\cdot 5+1}{6\cdot 5-8}=\frac{10+1}{30-8}=\frac{11}{22}=\frac{1}{2} \quad Javob: \frac{1}{2}$$

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3-Example: $(x-y)^3-(z-y)^3+(z-x)^3$ to multiple multipliers. the divide.

Solve: (a traditional method). This is our example of solving two optional qo'shiluvchi

$a^3 \pm b^3 = (a \pm b)(a^2 \mp ab + b^2)$ breeding formula with the help of the short spread out, we'll work out the general multiplicative additive third from the bracket, that is

$$(x-y)^3-(z-y)^3+(z-x)^3$$
$$[(x-y)-(z-y)][(x-y)^2+(x-y)(z-y)+(z-y)^2]+(z-x)^3$$
$$(x-z)[(x-y)^2+(x-y)(z-y)+(z-y)^2]+(z-x)^3$$
$$-(z-x)[(x-y)^2+(x-y)(z-y)+(z-y)^2-(z-x)^2]$$
$$-(z-y)[(x-y)(x-y+z-y)+(z-y-z+x)(z-y+z-x)]$$
$$-(z-y)[(x-y)(x-2y+z)+(x-y)(2z-y-x)]$$
$$-(z-x)[(x-y)(x-2y+z+2z-y-x)]$$
$$-(z-x)(x-y)(3z-3y)$$
$$-3(z-x)(x-y)(z-y) \qquad Javob: -3(z-x)(x-y)(z-y)$$

Solve: (unconventional method). Unconventional shundayki our method to this example, the first causing it to himself as similar to the second and third joiner $(a \pm b)^3 = (a^3 \pm 3a^2b + 3ab^2 \pm b^3)$ we will use the short breeding formula.

$$(x-y)^3-(z-y)^3+(z-x)^3$$
$$(x-y)^3 = (x-z+z-y)^3 = [(x-z)+(z-y)]^3 =$$
$$= (x-z)^3+3(x-z)^2(z-y)+3(x-z)(z-y)^2+(z-y)^3.$$
$$\underline{(x-z)^3}+3(x-z)^2(z-y)+3(x-z)(z-y)^2+\underline{\underline{(z-y)^3}}-\underline{\underline{(z-y)^3}}+\underline{(x-z)^3}$$
$$3(z-x)^2(z-y)+3(x-z)(z-y)^2 = 3(z-x)(z-y)[x-z+z-y]$$
$$3(z-x)(z-y)(x-y)$$
$$-3(x-z)(z-y)(x-y) \qquad Javob: -3(z-x)(x-y)(z-y)$$

Using such unconventional methods to enhance the cognitive interest of mathematics among youths and ensure that we hope to achieve in mathematics and science.

References.

1. Nasriddinov, O., Abdullaev, J., In Jo'raeva, D., Botirova, N., Maniyozov, O., & In Isomiddinov, O. (2024, November). A biologist, your com problem solving a differential equation in maple program. In*E3S Web of conferences* (Voles. 508 p. 04006). EDP Science.
2. Saidov, M. (2023). One move for a mixed type equation issues about the unity of the solution.*Research and practice*,*1*(5), 37-40.
3. Saidov, M. (2023). Integrated compound parabolic equations for conditional issue.*Research and practice*,*1*(6), 62-67
4. A biologist, your com problem solving a differential equation in maple program Otadavlat Nasriddinov, Abdullaev Jamoliddin , Dilnavoz jo'raeva in Botirova Nasiba, and in isomiddinov Oybek Maniyozov Odilakhon. Ferghana Branch of Tashkent university of information technology, Fergana, Uzbekistan.

5. Nasriddinov, O. (2023, October). Analiticheskix resheniy v issledovanie I chislennix differentsialnix uravneniy simvolnom package maple. In*conference on innovative digital:" the modern problem and solutions"*.
6. Nasriddinov, O. (2023, October). Reshenie v fizicheskoy I s a differential uravneniem zada president of the maple software. In*conference on innovative digital:" the modern problem and solutions"*.
7. Jo'raeva, D., & Maniyozov, O. (2023, November). The second orderly ordinary differential equations for the boundary issue grin functions method with to take off. In*conference on innovative digital:" the modern problem and solutions"*.
8. Maniyozov, O., Library, A., & Islomov, M. (2023). Tatbiqi matrisa implementation in the field of architecture and design.*Research and implementation*.
9. Maniyozov, O., Bozorqulov, A., & Isomiddinov O. (2023). In the process of education the first orderly linear ordinary differential equations find the solution of the first system of linear ordinary differential equations in the program maple.*Farg 'mother state university scientific journal,(1)*, 190-202
10. Tulakova. Z, Tolipov, N., Madibragimova, I. & Djoraeva, D. (2023). Of science in mathematics o 'o qitish using pedagogical methods and technologies 'were the ones to boost results.*Computer science engineer I texnologii*,*1*(2), 433-436.
11. Saidov, M. (2023). Normal form. Perfectly normal forms.*Research and implementation*.
12. Saidov, M. (2023, October). V prepodavanii texnicheskix dissiplin mentorstva role. In*conference on innovative digital:" the modern problem and solutions"*.
13. Inomjonovich, S. M. (2024). Fisher teorema central limit at the statistical use.*Al-Temporarily generation*, (2), 28-34.
14. Nasriddinov, O. It. (2023, October). Chislennoe reshenie uravneniy v common methods differentsialnix maple ru-wait. In*conference on innovative digital:" the modern problem and solutions"*.
15. Maniyozov, O. (2023, October). Primenenie nelineynogo giperbolicheskogo uravneniya zada president preobrazovaniya fure pride reshenii kraevoy the beginning of the type. In*conference on innovative digital:" the modern problem and solutions"*.
16. Toxirova, S. (2023, November). Python dasturida lug'atlar bilan ishlash. In Conference on Digital Innovation:" Modern Problems and Solutions".
17. Toxirova, S. (2023). MA'LUMOTLAR TUZILMASI VA ALGORITMLAR TUSHUNCHASI. Engineering problems and innovations.
18. Обухов В., Мухаммаджонов А., Исахонов Х. Функциональная классификация микропроцессоров //Journal of technical research and development. – 2023. – Т. 1. – №. 2. – С. 239-246.
19. Muhammadjonov A. Yurak urishini nazorat qiluvchi tizim dasturiy ta'minotini tahlil qilish //Journal of technical research and development. – 2023. – Т. 1. – №. 3. – С. 205-207.
20. Kuldashov, O., Rayimdjanova, O., Djalilov, B., Ergashev, S., Toxirova, S., & Muhammadjonov, A. (2024, November). Stabilization of parameters of optoelectronic devices on semiconductor emitters. In E3S Web of Conferences (Vol. 508, p. 01001). EDP Sciences.