

UTORAK. 26.5.2020. 6.d

Dobar vam dan!

Nadam se da ste dobro, raspoloženi i veseli jer kraj školske godine je sve bližeeeee...

1. Najprije pogledajte video lekciju Tonija Miluna
<https://www.youtube.com/watch?v=rHQbw3CccJQ> ali ne sve, nego od 21:40 – 48:09 (samo taj dio videa, dakle otprilike od 21. do 48. minute videa).
2. Prepišite u svoju bilježnicu primjer 8. iz vašeg udžbenika na strani 131.(ne treba prepisivati tekstualna objašnjenja).
3. Riješite iz udžbenika na strani 134./135. zadatke 17. i 18. (IND: riješiti 17.cdef, 18.abcd)
4. Od 8 do 23:59 sati možete pristupiti kvizu, obavezan je, za sve.
<https://forms.office.com/Pages/ResponsePage.aspx?id=FvJamzTGgEurAgyaPQKQka9gUnltaLdLqbvUmbRz--xUREFRTTBBOUo0TjBPNVBDNkRRU04wN05QUC4u>

Srdačan pozdrav svima.

Prilažem rješenje zadaće

DOMAĆA ZADACA, zad. 16. str. 134

$$\frac{3x}{5} = \frac{3}{5}x$$

16.) Riješi jednačinu

a) $\frac{3}{4}x - \frac{3}{2} = \frac{3}{8} \quad | \cdot 8$

$v(4,2,8)=8$

$$\overset{2}{\cancel{8}} \cdot \frac{3}{\cancel{4}} x - \overset{4}{\cancel{8}} \cdot \frac{3}{\cancel{2}} = \overset{1}{\cancel{8}} \cdot \frac{3}{\cancel{8}}$$

$$2 \cdot 3x - 4 \cdot 3 = 1 \cdot 3$$

$$6x - 12 = 3$$

$$6x = 3 + 12$$

$$6x = 15 \quad | : 6$$

$$x = \frac{15}{6} = \frac{5}{2} = 2\frac{1}{2}$$

b) $\frac{2}{9} + \frac{5}{6}x - \frac{3}{2} = \frac{1}{3} \quad | \cdot 18$

$v(9,6,2,3)=18$

$$\overset{2}{\cancel{18}} \cdot \frac{2}{\cancel{9}} + \overset{3}{\cancel{18}} \cdot \frac{5}{\cancel{6}} x - \overset{9}{\cancel{18}} \cdot \frac{3}{\cancel{2}} = \overset{6}{\cancel{18}} \cdot \frac{1}{\cancel{3}}$$

$$4 + 15x - 27 = 6$$

$$15x = 6 - 4 + 27$$

$$15x = 33 - 4$$

$$15x = 29 \quad | : 15$$

$$x = \frac{29}{15} = 1\frac{14}{15}$$

c) $\frac{5}{6} - 2x + \frac{3}{2} = \frac{3}{4} - \frac{x}{3} \quad | \cdot 12$

$$\frac{x}{3} = \frac{1}{3}x \quad !!!$$

$$\overset{2}{\cancel{12}} \cdot \frac{5}{\cancel{6}} - \overset{12}{\cancel{12}} \cdot 2x + \overset{6}{\cancel{12}} \cdot \frac{3}{\cancel{2}} = \overset{3}{\cancel{12}} \cdot \frac{3}{\cancel{4}} - \overset{4}{\cancel{12}} \cdot \frac{x}{\cancel{3}}$$

$$10 - 24x + 18 = 9 - 4x$$

$$-24x + 4x = 9 - 10 - 18$$

$$-20x = 9 - 28$$

$$-20x = -19 \quad | : (-20)$$

$$x = \frac{-19}{-20} = \frac{19}{20}$$

d) $\frac{5}{3}x - \frac{1}{6} + x = \frac{4}{5}x - \frac{3}{2} \quad | \cdot 30$

$v(3,6,5,2)=30$

$$\overset{10}{\cancel{30}} \cdot \frac{5}{\cancel{3}} x - \overset{5}{\cancel{30}} \cdot \frac{1}{\cancel{6}} + \overset{30}{\cancel{30}} \cdot x = \overset{6}{\cancel{30}} \cdot \frac{4}{\cancel{5}} x - \overset{15}{\cancel{30}} \cdot \frac{3}{\cancel{2}}$$

$$50x - 5 + 30x = 24x - 45$$

$$50x + 30x - 24x = -45 + 5$$

$$56x - 24x = -40$$

$$56x = -40 \quad | : 56$$

$$x = \frac{-40}{56} = \frac{-5}{7}$$

