Příprava na přijímací zkoušky

Aritmetika

www.sedovamatika.cz

aktualizace: 23. 9. 2024

Zlomky a celá čísla 25 – procvičování https://youtu.be/F0jMaQl4Cao

1) $3\cdot(-4)+(2-8)\cdot(-2)=$

2) $36:(-6)+9:(-3)=$

3) $-12-(10-4\cdot 3)=$

4) $-30-(-60-90)\cdot 2=$

5) $45+5\cdot(-4)-20=$

6) $4+6:2-5\cdot(-3+5)=$

7) $0,4-(0,2-0,35)=$

8) $1,75:(0,15:0,3)=$

9) $(80-40\cdot 7):8+2\cdot 12=$

10) $(0,08-1):0,2=$

Zlomky a celá čísla 26 – procvičování https://youtu.be/cA5Vzt49HmY

1) $(-3-2)\cdot(21-3\cdot 8)=$

2) $(1{,}2\cdot 1{,}5-1{,}2\cdot 0{,}5):1{,}2-0{,}2=$

3) $-0{,}5\cdot 0{,}2-0{,}1\cdot(3-8)=$

4) $5\cdot(-3\cdot 2)-21:(1-0{,}7)=$

5) $20-0{,}6\cdot(-0{,}8)-20+(-0{,}6\cdot 8)=$

6) $0{,}5+1{,}5\cdot(10-4)-1{,}5:5=$

7) $0{,}4\cdot 0{,}3-0{,}3\cdot 1{,}6=$

8) $0{,}5-(-0{,}3+0{,}5)\cdot 2{,}1=$

9) $0{,}025\cdot 40-0{,}2:(-0{,}25)=$

10) $1+[-4\cdot(-4-9)-2\cdot(-8+4)]=$

Zlomky a celá čísla 27– procvičování https://youtu.be/rd4mBxOZH_M

1) $2,2:0,22-0,22:(0,1-0,078)+22=$

2) $(-7)\cdot 0,3-0,7\cdot(6-3):(-1)=$

3) $[-2\cdot(-4+3)-2]\cdot[-8+(4-7)]=$

4) $(-0,8):0,08-0,5:0,1+6,4=$

5) $-(0,11:1,1)+1,1\cdot[1,1:(-0,11)]=$

6) $-0,4+0,1\cdot(0,1-0,4):0,01=$

7) $0,16\cdot(0,1:0{,}001)-3,2:0,1=$

8) $5,2:4+0,13:0,1-0,52:0,2=$

9) $-1,2:0,6\cdot(0,4-0,5)+(-0,3)\cdot 0,2:(-0,1)=$

Zlomky a celá čísla 31 – procvičování 2 https://youtu.be/9JQ9R7FK9es

1) $\dfrac{\frac{5}{7}+\frac{5}{6}}{\frac{2}{3}-\frac{3}{7}}=$

2) $\dfrac{\frac{7}{4}-4}{7-\frac{4}{7}}=$

3) $2\cdot\frac{1}{6}-\frac{3}{8}\cdot 4=$

4) $\frac{6}{7}\cdot\left(\frac{2}{6}-\frac{3}{4}\right)-1=$

5) $\left(\frac{5}{6}-\frac{3}{8}\right)-\left(2-\frac{11}{12}\right)=$

6) $0,2\cdot\left(\frac{1}{9}+\frac{7}{12}\right)-\frac{1}{4}=$

7) $\dfrac{\frac{2}{3}-1}{\frac{8}{9}}=$

8) $\frac{6}{5}-\frac{6}{5}:\frac{9}{10}+0,3=$

9) $3\cdot\frac{2}{5}-\dfrac{2+\frac{2}{5}}{3}=$

Zlomky a celá čísla 32 – procvičování 3 https://youtu.be/NiyB18wQ_RI

1) $\dfrac{\frac{2}{3}-\frac{4}{5}}{\frac{7}{10}:\frac{21}{8}}=$

2) $\left(\frac{9}{2}-2,5\right)\cdot\frac{1}{4}=$

3) $\dfrac{\frac{1}{3}\cdot\left(\frac{5}{6}-\frac{1}{2}\right)}{\frac{1}{2}\cdot\left(1-\frac{2}{3}\right)}=$

4) $\dfrac{\frac{1}{4}\cdot\frac{12}{15}+\frac{2}{5}}{\frac{3}{4}+\frac{3}{2}:\frac{2}{3}}=$

5) $\dfrac{\frac{15}{4}-\frac{71}{12}}{\frac{21}{6}-\frac{13}{3}}=$

6) $\frac{3}{5}:\frac{2}{7}-\frac{14}{5}\cdot\frac{6}{7}=$

7) $\frac{2}{3}\cdot 0{,}25-\frac{1}{4}\cdot\left(2-\frac{2}{3}\right)=$

8) $3:\frac{2\cdot 6}{2+6}-\frac{12}{3}\cdot\frac{5}{8}=$

Zlomky a celá čísla 33 – procvičování 4 https://youtu.be/z60cezyL-Nw

1) $\dfrac{0,5+\frac{2}{7}}{1\frac{2}{9}\cdot 2\frac{4}{7}}=$

2) $\dfrac{1\frac{3}{5}-\frac{8}{9}}{9-5\frac{2}{3}}=$

3) $\dfrac{1\frac{5}{6}-\frac{3}{3}}{\frac{5}{6}+1\frac{1}{9}}=$

4) $\dfrac{-2+\frac{3}{-(-1-2)}}{3-(-1)}=$

5) $\dfrac{\left(\frac{2}{7}+\frac{1}{2}\right)\cdot\frac{7}{11}}{\frac{1}{5}}=$

6) $\frac{3}{8}-\frac{5}{6}+\frac{3}{4}+\frac{7}{2}:6=$

7) $\left(\frac{1}{3\cdot 4}-3\right):\left(\frac{1}{3\cdot 4}+4\right)=$

8) $\left(0,2-1\frac{2}{3}\right):\frac{11}{3}=$

Zlomky a celá čísla 34 – procvičování 5 https://youtu.be/virHs9alKGM

1) $\frac{2}{3}:\frac{5}{6}-1{,}5:\frac{15}{4}=$

2) $\left(2\frac{1}{3}-\frac{11}{9}\right)\cdot\left(\frac{7}{8}-\frac{7}{40}\right)=$

3) $10\cdot\frac{1}{0{,}7}\cdot\left(\frac{2}{5}-\frac{3}{4}\right)=$

4) $1-\frac{\frac{3}{8}-\frac{4}{3}}{\frac{5}{4}}=$

5) $\frac{\frac{2}{3}:\frac{4}{9}-\frac{5}{8}\cdot 4}{\frac{2}{3}}=$

6) $\left(\frac{2}{3}-1\right)\cdot\frac{9}{10}:\left(\frac{7}{15}+\frac{1}{3}\right)=$

7) $1:\left(\frac{\frac{6}{5}-\frac{5}{6}}{\frac{2}{3}}\right)=$

8) $\frac{\frac{1}{-1+2}+\frac{2}{1-2}+\frac{3}{-1-2}}{1+2}=$

Zlomky a celá čísla 35 – procvičování 6 https://youtu.be/-h1X9EprDFY

1) $\dfrac{-\frac{6}{5}+3\frac{1}{5}}{2+\frac{2}{3}}=$

2) $\left(\frac{3}{4}-\frac{2}{3}\right):\frac{1}{6}+0,8=$

3) $\left(0,125+\frac{3}{4}\right):3\frac{1}{2}=$

4) $0,25\cdot\frac{8}{15}-\frac{2}{3}\cdot 0,6=$

5) $\frac{4}{5}:1\frac{1}{5}-\frac{2}{3}:\frac{5}{18}=$

6) $\left(\frac{5}{12}+2\frac{1}{3}\right):\left(\frac{1}{5}+\frac{1}{6}\right)=$

7) $\frac{3}{8}-0,2\cdot\left(\frac{9}{2}+3\right):1,5=$

8) $\frac{63}{5}:0,6-\frac{96}{8}:\frac{132}{24}=$

Zlomky a celá čísla 36 – procvičování 7

https://youtu.be/of0gVJvI1os

1) $\dfrac{1\frac{1}{5}-\frac{7}{9}}{1\frac{1}{10}-\frac{7}{15}}=$

2) $\dfrac{1\frac{5}{7}-\frac{2}{3}}{\frac{1}{2}+1\frac{1}{14}}=$

3) $\dfrac{\frac{2}{3}-0,5+\frac{2}{4}}{\frac{2}{3}:\frac{6}{11}}=$

4) $\left(\frac{13}{7}\cdot\frac{5}{10}+\frac{26}{14}\right):\frac{13}{35}=$

5) $\dfrac{-\frac{5}{14}\cdot\left(\frac{3}{4}-\frac{2}{5}\right)}{3\cdot\frac{10}{40}}=$

6) $-\frac{7}{12}+2,5-\frac{5}{8}:0,6=$

7) $2\cdot\frac{1}{5}-\dfrac{1}{5+\frac{1}{5}}=$

8) $\dfrac{5\frac{2}{3}+\left(\frac{-37}{9}\right)}{\frac{22}{7}-1\frac{1}{7}}=$

Zlomky a celá čísla 37 – procvičování 8

https://youtu.be/ooBgHOn4JSI

1) $\dfrac{\frac{3}{2}:\frac{4}{3}-\frac{3}{8}}{2-\frac{7}{16}-\frac{3}{4}}=$

2) $\left(\frac{5}{8}-\frac{3}{4}+\frac{1}{6}\right):\left(1\frac{1}{8}:0{,}3-1\frac{2}{3}\right)=$

3) $\dfrac{\frac{3}{10}-1\frac{1}{2}\cdot\frac{1}{6}}{\frac{2}{5}:\left(-1\frac{1}{3}\right)}=$

4) $1-\dfrac{2-\frac{3}{4+5}}{2+\frac{3}{4-5}}=$

5) $\dfrac{0{,}5+\frac{0{,}04}{0{,}8}}{\frac{0{,}3}{0{,}02}+\frac{0{,}9}{0{,}6}}=$

6) $\dfrac{-2\cdot\frac{7}{9}-\frac{3}{7}:\frac{9}{14}}{\frac{5}{6}-\frac{2}{3}}=$

7) $\dfrac{\frac{2}{3}-\frac{4}{5}}{0{,}6+\frac{6}{12}}-\frac{10}{11}=$

8) $\dfrac{4-\frac{7}{3}}{2\cdot\frac{2}{3}}-\dfrac{\frac{2}{5}}{1-\frac{2}{5}}\cdot\frac{9}{10}=$

Mocniny 4 – Číselný výraz s mocninami

https://youtu.be/8Wa4UBtGAu0

$-2\cdot 1^2=$

$-2\cdot 5^2=$

$3^2-5^2=$

$(-7)^2-(-4^2)=$

$(-8)^2:(-4)^2=$

$(-8)^2:(-4^2)=$

$-7^2-(-4)^2=$

$-8^2:(-4^2)=$

cermat:

$1:0,2^2=$

$(-6)^2-3\cdot(-3)=$

$(-0,4)^2+0,3^2=$

$1,5^2-0,3^2=$

$\left(\frac{3}{5}-1\right)^2=$

$\frac{8^2+6^2}{10^2}=$

$\left(\frac{1}{2}+\frac{1}{3}\right)^2=$

$\left(\frac{1}{3}\right)^2-\sqrt{\frac{4}{9}}=$

$\left(\frac{4}{5}-\frac{4}{3}\right)^2=$

$1-\sqrt{\frac{25}{64}}=$

$\sqrt{4\cdot 0,25}=$

$\sqrt{1^2-0,6^2}=$

$0,5:0,5^2=$

$\sqrt{10^2\cdot 0,0025}=$

$\sqrt{14,4:0,001}=$

$\frac{0,3^2}{0,1}:0,01=$

$\frac{1-\frac{1}{3}}{-6^2}=$

Mocniny 5 – Číselný výraz s mocninami https://youtu.be/q4YRYe_Qdvg

1) $\frac{7^2-\sqrt{7^2}}{\sqrt{49}}=$

2) $\frac{\frac{5}{2}-\frac{2}{5}}{(-7)^2}=$

3) $(-3)^2-5^2-4\cdot(-4)=$

4) $\sqrt{(-5)^2}-3^2=$

5) $\sqrt{1{,}3^2-1{,}2^2}=$

6) $\sqrt{(40:0{,}1)}-0{,}5:0{,}1=$

7) $\left(\frac{1}{2}+\frac{1}{3}\right)^2=$

8) $0{,}005\cdot10^2-1{,}2:0{,}02=$

9) $\frac{-8^2+(-7)^2}{(5-2)^2}=$

10) $\frac{(3-2)^2}{5^2\cdot6-12^2}=$

11) $\sqrt{\frac{16}{0{,}1}+9}=$

12) $100+1:\sqrt{6400+60^2}=$

1) $\sqrt{\frac{8^2+8}{6^2-4}}=$

2) $\sqrt{\frac{3^2}{4^2}-\left(\frac{-3}{4}\right)^2}=$

3) $\frac{-2\cdot(5^2-4^2)}{(-3)^2+5^2}=$

4) $\frac{3^2}{5}-\frac{3}{5^2}+\left(-\frac{3}{5}\right)^2=$

5) $\left[\left(\frac{1}{3}\right)^2-\left(-\frac{2}{3}\right)\right]^2=$

6) $\sqrt{(-4-2)^2+(7-15)^2}=$

7) $\sqrt{(2-15)^2-(-6-6)^2}=$

8) $\frac{\sqrt{169}-\sqrt{144}}{\sqrt{169-144}}=$

9) $\left(7\cdot\frac{1}{2}\right)^2-\left(-\frac{1}{2}\right)^2=$

10) $\frac{(-5)^2}{3}-\left(5\cdot\frac{1}{3}\right)^2+\left(-\frac{2}{3}\right)^2=$

11) $(1{,}2^2-0{,}6^2):(-2)^2=$

12) $(9-\sqrt{9})^2-(\sqrt{9})^2=$

Mocniny 7 – Číselný výraz s mocninami https://youtu.be/RKNui6qQGoM

Vzor: $\sqrt{a\cdot b}=\sqrt{a}\cdot\sqrt{b}$ $\sqrt{a:b}=\sqrt{a}:\sqrt{b}$

1) $\frac{\sqrt{2}}{\sqrt{8}}=$

2) $\sqrt{8}:\sqrt{2}=$

3) $\sqrt{2}\cdot\sqrt{32}=$

4) $\sqrt{10}\cdot\sqrt{10}=$

5) $\frac{\sqrt{128}:\sqrt{2}}{\sqrt{3}\cdot\sqrt{12}}=$

6) $\sqrt{10^2-8^2}-2\sqrt{4}+\sqrt{(-3-7)^2}=$

7) $\sqrt{1\frac{36}{64}}-\sqrt{\frac{36}{64}}=$

8) $[2^2-0{,}6^2-(0{,}8)^2]^2=$

9) $\frac{2^2}{5}\cdot\left(\frac{10}{12}\right)^2\cdot\left(\frac{6}{7}\right)^2=$

10) $[-4^2+(-3)^2-6^2-(-2)^2+7^2]^2=$

11) $\frac{-3^2-(-5)^2}{(-4-3)^2-3\cdot5}=$

12) $\frac{10^2-2\cdot(5^2+2^2)}{(-6)\cdot(-4)^2}=$

13) $\frac{[-2^2-(-6)]^2}{(-3)^2-2^2}=$

Mocniny 8 – Číselný výraz s mocninami

https://youtu.be/aEZt8kV-kII

1) $\dfrac{-5^2+(-6)^2}{[15^2-(-3-11)^2]}=$

2) $\dfrac{2\cdot[3-(1^2-4^2)]}{4\cdot[-20+(1-4)^2]}=$

3) $\dfrac{[2\cdot(13^2-167)^2]^2}{(2\cdot3)^2}=$

4) $\dfrac{\sqrt{82-18}-\sqrt{97-16}}{(\sqrt{121}-\sqrt{49})^2}=$

5) $3\cdot\sqrt{\dfrac{1}{36}}-\dfrac{3}{2}\cdot\sqrt{\dfrac{16}{144}}=$

6) $\dfrac{-7^2\cdot2+8^2+2^2-2}{(-2)^2-6^2}=$

7) $\left[\dfrac{5^2}{11}-\dfrac{3^2}{11}+\left(-\dfrac{144}{12^2}\right)\right]^2=$

8) $\dfrac{2\sqrt{49}-(-3)^2}{\sqrt{58-(-2-1)^2}}=$

9) $\dfrac{\left(-4\cdot\dfrac{1}{8}\right)^2}{\left(\dfrac{3}{\sqrt{9}}\right)^2}=$

10) $25{,}6:0{,}2-10^2\cdot0{,}029=$

Mocniny 9 – Číselný výraz s mocninami

https://youtu.be/CiCDfRyvVIs

1) $\sqrt{12^2}-(\sqrt{0,01})^2\cdot 360=$

2) $(-3)\cdot[(15^2-5^2):(-10)+5\cdot 3^2]=$

3) $\dfrac{-1-(-3)\cdot\sqrt{1}+4\sqrt{4}}{(28-4\sqrt{36})^2}=$

4) $(1,9^2-1,5^2):(0,6^2+2^2-0,7^2+13\cdot 0,1^2)=$

5) $\dfrac{-12:\sqrt{36}-18:\sqrt{81}}{[(-5)^2-\sqrt{(4-6)^2}-22]^2}=$

6) $\dfrac{8-\sqrt{225}:\sqrt{25}}{\sqrt{(-1-5)^2+(3-11)^2}}=$

7) $210:(-0,7)+\sqrt{\dfrac{8^2+8}{6^2-4}}=$

8) $\dfrac{10^2\cdot(10^2-1)}{10\cdot 10^2+10^2}=$

9) $\dfrac{(8-\sqrt{16})^2-\sqrt{256}}{5^2-45:\sqrt{25}}=$

1) $2x-3-x=$

2) $(y-3y)\cdot(y+3y)=$

3) $(5n-2)\cdot(-4n)=$

4) $(3a-2)\cdot(-2a)=$

5) $(2-x)\cdot 3x-2x=$

6) $(3x+y)\cdot(3x-2)=$

7) $(2+y)(y+2-2y)=$

8) $(a+a)\cdot(1-a)-a\cdot a=$

9) $5a\cdot(0,4b-2a+3)=$

10) $2x(x-3)-(x^2+3x)=$

11) $-3y(y-2)-(2y^2+5y)=$

12) $y(3y-1)-3(y^2-y)=$

13) $2\cdot(3y-x)\cdot(5-y)=$

14) $(4-y+3)\cdot x-(y+5)\cdot 5=$

1) $(2-b)\cdot(2+b)-7\cdot(-b+b)+b\cdot b=$

2) $a\cdot 2a-2\cdot(3a-1)\cdot a-a(7-4)=$

3) $2n\cdot(3-n)+2\cdot(3n\cdot n)-n\cdot(3\cdot n)=$

4) $(4n-1)\cdot(4n+1)-8n\cdot(n-1)=$

5) $(2n-3)\cdot(4n-2)+(n-3)(n+3)=$

6) $(a+2a)\cdot(a-2a)-(a-2a)=$

7) $(2b+1)(2b-1)-b(-b+b)+1=$

8) $3e\cdot(2-f)-2f\cdot(e-3f)=$

9) $(2+y)\cdot(y-2)-2(y^2-1)=$

10) $(2-5)\cdot(2b-1)-(4b-2b)\cdot(-2)=$

11) $(4+n)\cdot(4-n)+(3n-2)\cdot(-3)=$

1) $a-a^2+2-2\cdot(a+1)\cdot(1-a)=$

2) $(2+n)\cdot(3n-3)+(3n-n)\cdot 2-n\cdot(3-5)=$

3) $\frac{-2+3a}{2b}+\frac{1+2a}{b}=$

4) $(10x-8)-x\cdot\sqrt{100-64}=$

5) $(2n+6)\cdot(2n-6)+(3-5)\cdot 2n-5n\cdot(n-2n)=$

6) $\frac{2}{3}\cdot a+\frac{a}{6}-\frac{4a}{12}=$

7) $\frac{(y+3)}{3}-\frac{y}{4}-1=$

8) $\frac{(b-3)}{3}+4-\frac{2b}{2}-1=$

9) $\frac{n-1}{2}-\frac{2n-3}{4}=$

10) $(5-y)\cdot(5+y)+3\cdot(y^2-10)-(2y-3)\cdot y=$

11) $2a\left(2-\frac{a}{2}\right)-\left(\frac{2a}{3}+a^2\right)\cdot 3=$

12) $\frac{1}{2}\cdot n\cdot(2-3n)+3\cdot(n+2n)-n\cdot(3-n)=$

Výrazy 18 – Součinový tvar https://youtu.be/jil7tTqUnCs

Zjednodušte a rozložte na součin (Cermat)

1) $4a^2-9=$

2) $p^2-16=$

3) $(4a)^2-9\cdot 9=$

4) $9a^2-30a+25=$

5) $49-(-4a)^2=$

6) $(4+x)\cdot x+2x^2=$

7) $x\cdot x-x+2x^2=$

8) $5^2-(a^2+16)=$

9) $2\cdot(x^2-x)+x=$

10) $(3+a)^2-(3\cdot a)^2-3^2=$

11) $x\cdot(y-3)+3\cdot(x-2y)=$

12) $a\cdot(-a)-2^2\cdot 3a+6a^2=$

13) $5-(1-x^2)-x\cdot 2x=$

14) $(3n+7)\cdot(-4n+3n)+n\cdot(4n+9)=$

Doplň čísla aby rovnost dávala smysl

15) $(y+\_\_)^2=y^2+10y+\_\_$

16) $(y+\_\_)\cdot(2y+3)=2y^2+15y+\_\_$

17) $(\_\_\cdot a+\_\_\cdot b)^2=\_\_\cdot a^2-56ab+(4\cdot b)^2$

Procvičování: Rovnice se zkouškou 3 https://youtu.be/DZ-yHJRMlSM

Najdi řešení rovnice a proveď zkoušku

1) $\frac{3c+14}{4}=2$

2) $\frac{b-4}{3}=\frac{9-b}{2}$

3) $2\cdot\frac{x+1}{4}-x=\frac{x-1}{3}$

4) $6-\frac{3-2y}{5}\cdot 2=4y$

5) $\frac{9}{5}+t=\frac{t}{2}+\frac{4}{5}$

6) $\frac{6x-5}{3}=2x-\frac{10}{3}$

Procvičování: Rovnice se zkouškou 4 https://youtu.be/56IuGaeE8_s

Najdi řešení rovnice a proveď zkoušku

1) $\frac{x-2}{2}-x=2-\frac{2x}{3}$

2) $\frac{x-5}{2}+x=\frac{2x}{3}-\frac{5}{6}$

3) $\frac{16-5t}{7}=\frac{t+7}{2}$

4) $\frac{2}{3}\cdot(x+1)=-\frac{1}{3}\cdot(2x-1)-1$

5) $\frac{3x-10}{3}-\frac{x}{2}-\frac{2x-13}{6}=0$

6) $\frac{5x-2}{4}=1{,}25x-\frac{1}{2}$

Procvičování: Rovnice se zkouškou 5

https://youtu.be/PXTZ3d_wdd4

Najdi řešení rovnice a proveď zkoušku

1)

$$-\frac{2}{3}\cdot\frac{x}{2}=\frac{5}{12}$$

2)

$$\frac{1-x}{2}=4-x+\frac{5x}{3}$$

3)

$$1-\frac{7c-4}{9}-\frac{5-3c}{6}=\frac{c}{3}$$

4)

$$\frac{6-t}{4}-3=\frac{2t+6}{7}-\frac{t+4}{2}$$

5)

$$\frac{2-x}{2}-3=\frac{2x+1}{3}$$

6)

$$2\cdot\frac{x-1}{9}-\frac{2x+3}{6}=\frac{1}{2}$$

Procvičování: Rovnice se zkouškou 6

https://youtu.be/D1cJsoIGDWw

Najdi řešení rovnice a proveď zkoušku

1)

$$\frac{x-2}{0,2}+0,6=x+\frac{1}{5}$$

2)

$$\frac{(y-2)\cdot 4}{3}-2=2\cdot(y-3)$$

3)

$$\frac{v-5}{5}+\frac{1+v}{2}=1+\frac{3\cdot(v-3)}{4}$$

4)

$$7a\cdot(a-1)-17=3a\cdot(2a+5)+a\cdot a+5$$

5)

$$2v\cdot(2v-1)=4v\cdot(3+v)-7$$

6)

$$\frac{x+3}{2}-\frac{2x+5}{3}=8$$

Procvičování: Rovnice se zkouškou 7

https://youtu.be/ggxzH1Yn86M

Najdi řešení rovnice a proveď zkoušku

1)

$3{,}5\,x-\frac{15}{3}=7+\frac{x}{2}$

2)

$x=\frac{2}{5}(2\,x-7)+\frac{x}{3}+2$

3)

$\frac{x-3}{5}+0{,}6\,x=-2\,\frac{1}{5}$

4)

$\frac{5}{12}+\frac{5\,a-7}{3}=2\,a-\frac{7}{12}$

5)

$\frac{3\,z}{5}-\frac{1}{3}\cdot(-z)=1\,\frac{4}{15}-\frac{z}{3}$

6)

$(d+2)\cdot(d-3)+1=(d+1)^2$

Procvičování: Rovnice se zkouškou 8

https://youtu.be/1n_a_S4jI3c

Najdi řešení rovnice a proveď zkoušku

1)

$$\frac{4z-6}{5}-\frac{3z-8}{4}=\frac{z-4}{20}+1$$

2)

$$\frac{1-3t}{2}+\frac{3t+11}{8}=1-\frac{5t-3}{4}$$

3)

$$s-\frac{1}{6}(3s+9)-1=\frac{1}{2}(s-5)$$

4)

$$\frac{1}{2}(5-3x)-\frac{4}{7}(4x+11)=2x+2$$

5)

$$\frac{7}{2}+2\cdot(5-\frac{3+f}{4})-\frac{2f+3}{2}=\frac{3f+2}{5}-2\cdot(f-5)$$