HERHALINGSTAAK Van 29/10/2022 tot 6/11/2022

Negatieve getallen

|  |  |  |  |
| --- | --- | --- | --- |
| $$-3+6= $$ | $$3-9=$$ | $$-3-6=$$ | $$-3+2=$$ |
| $$5-9=$$ | $$-3+8=$$ | $$-9+5=$$ | $$-2-5=$$ |
| $$-5+2=$$ | $$6-8=$$ | $$-2+6=$$ | $$-11+7=$$ |
| $$18-29=$$ | $$-13+5=$$ | $$-7-6=$$ | $$-13+26=$$ |
| $$-43+22=$$ | $$34-49=$$ | $$-33+18=$$ | $$-23-26=$$ |

Breuken vereenvoudigen

|  |  |  |  |
| --- | --- | --- | --- |
| $$\frac{3}{9}= $$ | $$\frac{6}{24}=$$ | $$\frac{2}{10}=$$ | $$\frac{18}{36}=$$ |
| $$\frac{8}{24}=$$ | $$\frac{2}{4}=$$ | $$\frac{16}{24}=$$ | $$\frac{3}{27}=$$ |
| $$\frac{18}{24}=$$ | $$\frac{17}{51}=$$ | $$\frac{4}{12}=$$ | $$\frac{13}{52}=$$ |
| $$\frac{12}{24}=$$ | $$\frac{4}{24}=$$ | $$\frac{20}{24}=$$ | $$\frac{4}{16}=$$ |
| $$\frac{14}{32}=$$ | $$\frac{14}{42}=$$ | $$\frac{18}{72}=$$ | $$\frac{12}{20}=$$ |

Breuken optellen(oplossing vereenvoudigen )

|  |  |  |  |
| --- | --- | --- | --- |
| $$\frac{3}{9}+\frac{2}{8}= $$ | $$\frac{6}{24}+\frac{1}{3}=$$ | $$\frac{2}{10}+\frac{1}{5}=$$ | $$\frac{18}{36}-\frac{9}{18}=$$ |
| $$\frac{8}{24}+\frac{6}{9}=$$ | $$\frac{2}{4}-\frac{10}{24}=$$ | $$\frac{16}{24}+\frac{4}{12}=$$ | $$\frac{3}{27}+\frac{6}{9}=$$ |
| $$\frac{18}{24}+\frac{11}{33}=$$ | $$\frac{17}{51}+\frac{13}{39}=$$ | $$\frac{4}{12}+\frac{8}{32}=$$ | $$\frac{13}{52}-\frac{11}{44}=$$ |
| $$\frac{12}{24}+\frac{6}{18}=$$ | $$\frac{4}{24}+\frac{9}{27}=$$ | $$\frac{20}{24}-\frac{9}{54}=$$ | $$\frac{4}{16}+\frac{7}{21}=$$ |
| $$\frac{14}{32}+\frac{9}{36}=$$ | $$\frac{14}{42}-\frac{25}{75}=$$ | $$\frac{18}{72}+\frac{35}{70}=$$ | $$\frac{12}{20}+\frac{7}{21}=$$ |

Breuken vermenigvuldigen en delen(oplossing vereenvoudigen )

|  |  |  |  |
| --- | --- | --- | --- |
| $$\frac{3}{9}.\frac{2}{8}= $$ | $$\frac{6}{24}:\frac{1}{3}=$$ | $$\frac{2}{10}.\frac{1}{5}=$$ | $$\frac{18}{36}.\frac{9}{18}=$$ |
| $$\frac{8}{24}:\frac{6}{9}=$$ | $$\frac{2}{4}.\frac{10}{24}=$$ | $$\frac{16}{24}:\frac{4}{12}=$$ | $$\frac{3}{27}.\frac{6}{9}=$$ |
| $$\frac{18}{24}:\frac{11}{33}=$$ | $$\frac{17}{51}.\frac{13}{39}=$$ | $$\frac{4}{12}:\frac{8}{32}=$$ | $$\frac{13}{52}:\frac{11}{44}=$$ |
| $$\frac{12}{24}.\frac{6}{18}=$$ | $$\frac{4}{24}:\frac{9}{27}=$$ | $$\frac{20}{24}:\frac{9}{54}=$$ | $$\frac{4}{16}.\frac{7}{21}=$$ |
| $$\frac{14}{32}:\frac{9}{36}=$$ | $$\frac{14}{42}.\frac{25}{75}=$$ | $$\frac{18}{72}:\frac{35}{70}=$$ | $$\frac{12}{20}:\frac{7}{21}=$$ |

Merkwaardige producten

|  |  |  |  |
| --- | --- | --- | --- |
| $$\left(a+b\right)^{2}=$$ | $$\left(x-5\right)^{2}=$$ | $\left(a-2\right)\left(a+2\right)$= | $$\left(a-b\right)^{2}=$$ |
| $\left(\frac{1}{3}x+\frac{1}{2}z\right)^{2}$= | $$\left(2a+7\right)^{2}=$$ | $$\left(\frac{1}{3}x-\frac{1}{2}\right)^{2}$$ | $$\left(2x-3\right)^{2}=$$ |
| $$\left(2a-5b\right)^{2}=$$ | $$\left(\frac{1}{5}a+5\right)\left(\frac{1}{5}a-5\right)=$$ | $$\left(2a+b\right)^{2}=$$ | $\left(-\frac{1}{3}+a\right)^{2}$= |
| $\left(-\frac{1}{3}a+\frac{2}{5}b\right)^{2}$= | $$\left(-2a-3b\right)^{2}=$$ | $$\left(\frac{1}{4}+\frac{5}{2}a\right)^{2}$$ | $$\left(2a+3b\right)^{2}=$$ |
| $$\left(2x-6y\right)^{2}=$$ | $$\left(2a-b\right)\left(2a+b\right)=$$ | $$\left(a-5b\right)^{2}=$$ | $$\left(\frac{2}{3}a+\frac{3}{4}\right)^{2}$$ |

Veeltermen

|  |  |  |  |
| --- | --- | --- | --- |
| $$x+3x=$$ | $$\left(x+1\right)\left(2x-3\right)=$$ | $$2x^{2}+3x^{3}+4x^{2}-1=$$ | $$x+3x^{2}+4x^{2}-2x=$$ |
| $2x\left(2x-3\right)$= | $$\left(-2x-3\right)\left(2x-4\right)=$$ | $$\left(2x^{2}+2\right)\left(x^{2}-x\right)=$$ | $$3x+3x+3x=$$ |
| $$\left(2x^{3}+2\right)\left(x^{2}-1\right)=$$ | $$7x-3x=$$ | $$2x^{2}+3x^{2}-4x^{2}-1=$$ | $$\left(2x+4\right)\left(2x-1\right)=$$ |
| $$\left(3x+2\right)\left(2x-3\right)=$$ | $$2x^{2}+3x^{2}-4x^{2}-x=$$ | $$\left(2x^{2}+1\right)\left(x^{2}-1\right)=$$ | $$3x+3x^{4}+4x^{4}-4x=$$ |
| $-x\left(2x+3\right)$= | $$-2x^{2}+3x^{3}-4x^{2}-x=$$ | $$3x+3x+3=$$ | $$\left(2x-6\right)\left(2x-5\right)=$$ |

**Machten**

|  |  |  |  |
| --- | --- | --- | --- |
| $$a^{4}.a^{3}=$$ | $\frac{b^{4}}{b^{3}}$ = | $\left(a^{3}b^{4}\right)^{2}$ = | $\left(-3\right)^{-2}$= |
| $$\left(\frac{2}{3}\right)^{3}=$$ | $$a^{3}.a^{6}=$$ | $\frac{a^{5}b^{3}c^{4}}{ab^{2}c^{4}}$ = | $$\left(-a\right)^{3}b^{2}b\left(-b\right)^{2}a^{3}b^{4}a^{3}$$ |
| $3^{-2}$ = | $\frac{\left(-a\right)^{4}b^{5}\left(-c\right)^{5}}{\left(-b\right)^{3}\left(-c\right)^{2}}$ = | $$\left(\frac{3}{4}\right)^{-3}=$$ | $$\left(-a\right)^{2}b^{3}b\left(-b\right)^{4}a^{3}b^{3}a^{3}$$ |
| $\frac{b^{14}}{b^{3}}$ = | $$\left(a^{9}b^{3}\right)^{3}$$ | $$\left(-2\right)^{-4}$$ | $$a^{2}.a^{3}=$$ |
| $\frac{a^{7}b^{3}c^{9}}{ab^{2}c^{7}}$ = | $$\left(\frac{-2}{3}\right)^{-3}=$$ | $\frac{b^{9}}{b^{7}}$ = | $\left(ab^{7}\right)^{3}$= |