Приложение 1.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | $$\frac{5a}{15b}$$ | 2 | $$\frac{3c}{8c}$$ | 3 | $$\frac{b}{12b}$$ | 4 | $$\frac{-6}{18x}$$ |
| 5 | $$\frac{ac}{bc}$$ | 6 | $$\frac{3x^{2}}{7x}$$ | 7 | $$\frac{8у^{3}}{15y^{2}}$$ | 8 | $$\frac{4z^{2}}{-8z^{3}}$$ |
| 9 | $$\frac{2a^{5}}{a^{4}}$$ | 10 | $$\frac{-14b^{2}}{21b^{4}}$$ | 11 | $$\frac{a^{2}b^{5}}{a^{1}b^{7}}$$ | 12 | $$\frac{-63xy^{5}}{81xy^{4}}$$ |
| 13 | $$\frac{30a^{2}c^{3}}{48a^{3}c^{2}}$$ | 14 | $$\frac{111p^{6}q^{6}}{37p^{4}q^{4}}$$ | 15 | $$\frac{xy}{2y}$$ | 16 | $$\frac{27c^{6}}{45c}$$ |
| 17 | $$\frac{x(a+3)}{y(a+3)}$$ | 18 | $$\frac{3(x+5)^{2}}{(x+5)^{3}}$$ | 19 | $$\frac{3a(b-2)}{6(b-2)^{2}}$$ | 20 | $$\frac{x^{2}(x-8)^{3}}{x^{4}(x-8)^{2}}$$ |
| 21 | $$\frac{3a+3b}{5(a+b)}$$ | 22 | $$\frac{7x-14y}{3x-6y}$$ | 23 | $$\frac{5a-20c}{15ac}$$ | 24 | $$\frac{x-2b}{x^{2}-2bx}$$ |
| 25 | $$\frac{5x-10}{x^{2}-4}$$ | 26 | $$\frac{3c-9d}{6d-2c}$$ | 27 | $$\frac{a^{2}-2ab}{6b-3a}$$ | 28 | $$\frac{m^{2}-5m^{2}n}{5m^{3}-mn^{2}}$$ |
| 29 | $$\frac{5x-10}{x^{2}-4}$$ | 30 | $$\frac{a^{2}-9}{15+5a}$$ | 31 | $$\frac{x^{2}-4x+4}{3x-6}$$ | 32 | $$\frac{b^{2}+6b+9}{b^{2}-9}$$ |
| 33 | $$\frac{y^{2}-16}{4y^{2}-y^{3}}$$ | 34 | $$\frac{a^{2}-2a+1}{1-a^{2}}$$ | 35 | $$\frac{m^{3}+8}{m^{2}-2mn+4}$$ | 36 | $$\frac{3-3n+3n^{2}}{n^{3}-1}$$ |
| 37 | $$\frac{x}{7}+\frac{y}{7}$$ | 38 | $$\frac{m}{2}-\frac{n}{2}$$ | 39 | $$\frac{a}{b}-\frac{2a}{b}$$ | 40 | $$\frac{3x}{y}+\frac{x}{y}$$ |
| 41 | $$\frac{a+5b}{15}+\frac{2a+4b}{15}$$ | 42 | $$\frac{b+c}{3a}-\frac{b+2c}{3a}$$ |
| 43 | $$-\frac{3x+2y}{xy}+\frac{2y-5x}{xy}$$ | 44 | $$\frac{5x-7}{6x}-\frac{x-3}{6x}+\frac{2x-8}{6x}$$ |
| 45 | $$\frac{y^{2}+2y}{y^{2}-4y+4}-\frac{4y}{y^{2}-4y+4}$$ | 46 | $$\frac{8y-5}{7y}-\frac{2y-1}{7y}-\frac{10-y}{7y}$$ |
| 47 | $$\frac{3z}{z^{2}-2z}-\frac{8-z}{z^{2}-2z}$$ | 48 | $$\frac{x-5}{x^{2}-49}+\frac{12}{x^{2}-49}$$ |
| 49 | $$\frac{a+3}{a-1}+\frac{a}{1-a}$$ | 50 | $$\frac{3x+2y}{2x-3y}-\frac{x-8y}{3y-2x}$$ |
| 51 | $$\frac{b^{2}}{2b-10}-\frac{25}{10-2b}$$ | 52 | $$\frac{9y+1}{y^{2}-4}-\frac{y-8}{4-y^{2}}+\frac{1-7y}{y^{2}-4}$$ |
| 53 | $$\frac{x}{3}+\frac{x-5}{5}$$ | 54 | $$-\frac{b-c}{7}+\frac{3b-c}{14}$$ |
| 55 | $$\frac{3x-5}{x}+\frac{3y-2}{y}$$ | 56 | $$\frac{3y-2}{6}+\frac{y+1}{4}$$ |
| 57 | $$\frac{1}{a^{2}}+\frac{a-2}{a}$$ | 58 | $$\frac{b-a}{ab}-\frac{a-b}{b^{2}}$$ |
| 59 | $$\frac{(x+y)^{2}}{6y}+\frac{(x-y)^{2}}{12y}-\frac{x^{2}-y^{2}}{4y}$$ | 60 | $$\frac{3a+1}{7a}-\frac{7a+b}{14ab}-\frac{b-1}{2b}$$ |
| 61 | $$5x+\frac{1}{x}$$ | 62 | $$\frac{6}{y}-2y$$ |
| 63 | $$4a-\frac{8a^{2}}{2a-3}$$ | 64 | $$-2ba+\frac{6b}{3-b}$$ |
| 65 | $$3x+\frac{3+4x-4x^{2}}{2x-3}+1$$ | 66 | $$\frac{2b^{2}-3b+4}{(b-1)^{2}}-\frac{b-2}{b-1}$$ |
| 67 | $$\frac{2a}{a-5}-\frac{5}{a+5}+\frac{2a^{2}}{25-a^{2}}$$ | 68 | $$\frac{8b^{2}}{4b-5}-2b-1$$ |