



Разложите каждое выражение на множители.

1)  $\frac{3}{16B} + \frac{9}{32} =$  \_\_\_\_\_

2)  $\frac{15}{49C} - \frac{9}{14} =$  \_\_\_\_\_

3)  $-\frac{12}{24D} + \frac{3}{28} =$  \_\_\_\_\_

4)  $\frac{4}{21E} + \frac{8}{63} =$  \_\_\_\_\_

5)  $\frac{24}{63F} - \frac{24}{54} =$  \_\_\_\_\_

6)  $\frac{4}{10G} - \frac{4}{35} =$  \_\_\_\_\_

7)  $\frac{8}{36H} + \frac{8}{42} =$  \_\_\_\_\_

8)  $-\frac{2}{14I} - \frac{2}{14} =$  \_\_\_\_\_

9)  $-\frac{12}{36J} - \frac{6}{20} =$  \_\_\_\_\_

10)  $-\frac{2}{14K} + \frac{2}{21} =$  \_\_\_\_\_

**Отвeты**

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Разложите каждое выражение на множители.

$$1) \frac{3}{16B} + \frac{9}{32} = \frac{3/16(1/1B + 3/2)}{\underline{\hspace{10em}}}$$

$$2) \frac{15}{49C} - \frac{9}{14} = \frac{3/7(5/7C - 3/2)}{\underline{\hspace{10em}}}$$

$$3) -\frac{12}{24D} + \frac{3}{28} = \frac{-3/4(4/6D - 1/7)}{\underline{\hspace{10em}}}$$

$$4) \frac{4}{21E} + \frac{8}{63} = \frac{4/21(1/1E + 2/3)}{\underline{\hspace{10em}}}$$

$$5) \frac{24}{63F} - \frac{24}{54} = \frac{24/9(1/7F - 1/6)}{\underline{\hspace{10em}}}$$

$$6) \frac{4}{10G} - \frac{4}{35} = \frac{4/5(1/2G - 1/7)}{\underline{\hspace{10em}}}$$

$$7) \frac{8}{36H} + \frac{8}{42} = \frac{8/6(1/6H + 1/7)}{\underline{\hspace{10em}}}$$

$$8) -\frac{2}{14I} - \frac{2}{14} = \frac{-2/14(1/1I + 1/1)}{\underline{\hspace{10em}}}$$

$$9) -\frac{12}{36J} - \frac{6}{20} = \frac{-6/4(2/9J + 1/5)}{\underline{\hspace{10em}}}$$

$$10) -\frac{2}{14K} + \frac{2}{21} = \frac{-2/7(1/2K - 1/3)}{\underline{\hspace{10em}}}$$

**ОТВЕТЫ**

1.  $\frac{3/16(1/1B + 3/2)}{\underline{\hspace{10em}}}$

2.  $\frac{3/7(5/7C - 3/2)}{\underline{\hspace{10em}}}$

3.  $\frac{-3/4(4/6D - 1/7)}{\underline{\hspace{10em}}}$

4.  $\frac{4/21(1/1E + 2/3)}{\underline{\hspace{10em}}}$

5.  $\frac{24/9(1/7F - 1/6)}{\underline{\hspace{10em}}}$

6.  $\frac{4/5(1/2G - 1/7)}{\underline{\hspace{10em}}}$

7.  $\frac{8/6(1/6H + 1/7)}{\underline{\hspace{10em}}}$

8.  $\frac{-2/14(1/1I + 1/1)}{\underline{\hspace{10em}}}$

9.  $\frac{-6/4(2/9J + 1/5)}{\underline{\hspace{10em}}}$

10.  $\frac{-2/7(1/2K - 1/3)}{\underline{\hspace{10em}}}$



Разложите каждое выражение на множители.

1)  $\frac{6}{21B} - \frac{12}{15} =$  \_\_\_\_\_

2)  $\frac{10}{24C} + \frac{8}{24} =$  \_\_\_\_\_

3)  $\frac{28}{81D} - \frac{24}{27} =$  \_\_\_\_\_

4)  $\frac{4}{36E} - \frac{2}{72} =$  \_\_\_\_\_

5)  $\frac{3}{18F} + \frac{6}{36} =$  \_\_\_\_\_

6)  $\frac{2}{12G} - \frac{4}{12} =$  \_\_\_\_\_

7)  $-\frac{12}{27H} + \frac{2}{15} =$  \_\_\_\_\_

8)  $-\frac{6}{35I} - \frac{8}{14} =$  \_\_\_\_\_

9)  $-\frac{16}{25J} - \frac{16}{30} =$  \_\_\_\_\_

10)  $-\frac{12}{36K} + \frac{24}{8} =$  \_\_\_\_\_

**Отвeты**

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Разложите каждое выражение на множители.

$$1) \frac{6}{21B} - \frac{12}{15} = \underline{\frac{6}{3}(\frac{1}{7}B - \frac{2}{5})}$$

$$2) \frac{10}{24C} + \frac{8}{24} = \underline{\frac{2}{24}(\frac{5}{1}C + \frac{4}{1})}$$

$$3) \frac{28}{81D} - \frac{24}{27} = \underline{\frac{4}{27}(\frac{7}{3}D - \frac{6}{1})}$$

$$4) \frac{4}{36E} - \frac{2}{72} = \underline{\frac{2}{36}(\frac{2}{1}E - \frac{1}{2})}$$

$$5) \frac{3}{18F} + \frac{6}{36} = \underline{\frac{3}{18}(\frac{1}{1}F + \frac{2}{2})}$$

$$6) \frac{2}{12G} - \frac{4}{12} = \underline{\frac{2}{12}(\frac{1}{1}G - \frac{2}{1})}$$

$$7) -\frac{12}{27H} + \frac{2}{15} = \underline{-\frac{2}{3}(\frac{6}{9}H - \frac{1}{5})}$$

$$8) -\frac{6}{35I} - \frac{8}{14} = \underline{-\frac{2}{7}(\frac{3}{5}I + \frac{4}{2})}$$

$$9) -\frac{16}{25J} - \frac{16}{30} = \underline{-\frac{16}{5}(\frac{1}{5}J + \frac{1}{6})}$$

$$10) -\frac{12}{36K} + \frac{24}{8} = \underline{-\frac{12}{4}(\frac{1}{9}K - \frac{2}{2})}$$

**ОТВЕТЫ**

1.  $\underline{\frac{6}{3}(\frac{1}{7}B - \frac{2}{5})}$

2.  $\underline{\frac{2}{24}(\frac{5}{1}C + \frac{4}{1})}$

3.  $\underline{\frac{4}{27}(\frac{7}{3}D - \frac{6}{1})}$

4.  $\underline{\frac{2}{36}(\frac{2}{1}E - \frac{1}{2})}$

5.  $\underline{\frac{3}{18}(\frac{1}{1}F + \frac{2}{2})}$

6.  $\underline{\frac{2}{12}(\frac{1}{1}G - \frac{2}{1})}$

7.  $\underline{-\frac{2}{3}(\frac{6}{9}H - \frac{1}{5})}$

8.  $\underline{-\frac{2}{7}(\frac{3}{5}I + \frac{4}{2})}$

9.  $\underline{-\frac{16}{5}(\frac{1}{5}J + \frac{1}{6})}$

10.  $\underline{-\frac{12}{4}(\frac{1}{9}K - \frac{2}{2})}$



Разложите каждое выражение на множители.

1)  $-\frac{3}{30B} - \frac{6}{12} =$  \_\_\_\_\_

2)  $-\frac{6}{28C} + \frac{6}{14} =$  \_\_\_\_\_

3)  $-\frac{4}{28D} - \frac{8}{56} =$  \_\_\_\_\_

4)  $\frac{20}{48E} - \frac{4}{72} =$  \_\_\_\_\_

5)  $\frac{3}{20F} - \frac{3}{20} =$  \_\_\_\_\_

6)  $-\frac{2}{8G} - \frac{2}{12} =$  \_\_\_\_\_

7)  $\frac{9}{28H} + \frac{3}{49} =$  \_\_\_\_\_

8)  $\frac{6}{20I} + \frac{6}{32} =$  \_\_\_\_\_

9)  $-\frac{8}{24J} - \frac{4}{54} =$  \_\_\_\_\_

10)  $\frac{3}{15K} + \frac{3}{30} =$  \_\_\_\_\_

**Отвeты**

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Разложите каждое выражение на множители.

$$1) \quad -\frac{3}{30B} - \frac{6}{12} = \underline{-\frac{3}{6}\left(\frac{1}{5}B + \frac{2}{2}\right)}$$

$$2) \quad -\frac{6}{28C} + \frac{6}{14} = \underline{-\frac{6}{14}\left(\frac{1}{2}C - \frac{1}{1}\right)}$$

$$3) \quad -\frac{4}{28D} - \frac{8}{56} = \underline{-\frac{4}{28}\left(\frac{1}{1}D + \frac{2}{2}\right)}$$

$$4) \quad \frac{20}{48E} - \frac{4}{72} = \underline{\frac{4}{24}\left(\frac{5}{2}E - \frac{1}{3}\right)}$$

$$5) \quad \frac{3}{20F} - \frac{3}{20} = \underline{\frac{3}{20}\left(\frac{1}{1}F - \frac{1}{1}\right)}$$

$$6) \quad -\frac{2}{8G} - \frac{2}{12} = \underline{-\frac{2}{4}\left(\frac{1}{2}G + \frac{1}{3}\right)}$$

$$7) \quad \frac{9}{28H} + \frac{3}{49} = \underline{\frac{3}{7}\left(\frac{3}{4}H + \frac{1}{7}\right)}$$

$$8) \quad \frac{6}{20I} + \frac{6}{32} = \underline{\frac{6}{4}\left(\frac{1}{5}I + \frac{1}{8}\right)}$$

$$9) \quad -\frac{8}{24J} - \frac{4}{54} = \underline{-\frac{4}{6}\left(\frac{2}{4}J + \frac{1}{9}\right)}$$

$$10) \quad \frac{3}{15K} + \frac{3}{30} = \underline{\frac{3}{15}\left(\frac{1}{1}K + \frac{1}{2}\right)}$$

**ОТВЕТЫ**

1.  $\underline{-\frac{3}{6}\left(\frac{1}{5}B + \frac{2}{2}\right)}$

2.  $\underline{-\frac{6}{14}\left(\frac{1}{2}C - \frac{1}{1}\right)}$

3.  $\underline{-\frac{4}{28}\left(\frac{1}{1}D + \frac{2}{2}\right)}$

4.  $\underline{\frac{4}{24}\left(\frac{5}{2}E - \frac{1}{3}\right)}$

5.  $\underline{\frac{3}{20}\left(\frac{1}{1}F - \frac{1}{1}\right)}$

6.  $\underline{-\frac{2}{4}\left(\frac{1}{2}G + \frac{1}{3}\right)}$

7.  $\underline{\frac{3}{7}\left(\frac{3}{4}H + \frac{1}{7}\right)}$

8.  $\underline{\frac{6}{4}\left(\frac{1}{5}I + \frac{1}{8}\right)}$

9.  $\underline{-\frac{4}{6}\left(\frac{2}{4}J + \frac{1}{9}\right)}$

10.  $\underline{\frac{3}{15}\left(\frac{1}{1}K + \frac{1}{2}\right)}$



Разложите каждое выражение на множители.

1)  $-\frac{2}{18}B - \frac{2}{12} =$  \_\_\_\_\_

2)  $-\frac{8}{30}C + \frac{8}{54} =$  \_\_\_\_\_

3)  $\frac{6}{45}D - \frac{8}{27} =$  \_\_\_\_\_

4)  $-\frac{4}{49}E + \frac{6}{14} =$  \_\_\_\_\_

5)  $-\frac{4}{18}F - \frac{4}{54} =$  \_\_\_\_\_

6)  $\frac{16}{63}G + \frac{4}{18} =$  \_\_\_\_\_

7)  $\frac{16}{40}H - \frac{8}{40} =$  \_\_\_\_\_

8)  $-\frac{8}{49}I + \frac{8}{14} =$  \_\_\_\_\_

9)  $-\frac{9}{40}J - \frac{3}{45} =$  \_\_\_\_\_

10)  $\frac{2}{12}K - \frac{4}{24} =$  \_\_\_\_\_

**Отвeты**

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Разложите каждое выражение на множители.

$$1) \quad -\frac{2}{18B} - \frac{2}{12} = \underline{-\frac{2}{6}\left(\frac{1}{3}B + \frac{1}{2}\right)}$$

$$2) \quad -\frac{8}{30C} + \frac{8}{54} = \underline{-\frac{8}{6}\left(\frac{1}{5}C - \frac{1}{9}\right)}$$

$$3) \quad \frac{6}{45D} - \frac{8}{27} = \underline{\frac{2}{9}\left(\frac{3}{5}D - \frac{4}{3}\right)}$$

$$4) \quad -\frac{4}{49E} + \frac{6}{14} = \underline{-\frac{2}{7}\left(\frac{2}{7}E - \frac{3}{2}\right)}$$

$$5) \quad -\frac{4}{18F} - \frac{4}{54} = \underline{-\frac{4}{18}\left(\frac{1}{1}F + \frac{1}{3}\right)}$$

$$6) \quad \frac{16}{63G} + \frac{4}{18} = \underline{\frac{4}{9}\left(\frac{4}{7}G + \frac{1}{2}\right)}$$

$$7) \quad \frac{16}{40H} - \frac{8}{40} = \underline{\frac{8}{40}\left(\frac{2}{1}H - \frac{1}{1}\right)}$$

$$8) \quad -\frac{8}{49I} + \frac{8}{14} = \underline{-\frac{8}{7}\left(\frac{1}{7}I - \frac{1}{2}\right)}$$

$$9) \quad -\frac{9}{40J} - \frac{3}{45} = \underline{-\frac{3}{5}\left(\frac{3}{8}J + \frac{1}{9}\right)}$$

$$10) \quad \frac{2}{12K} - \frac{4}{24} = \underline{\frac{2}{12}\left(\frac{1}{1}K - \frac{2}{2}\right)}$$

**Ответы**

1.  $\underline{-\frac{2}{6}\left(\frac{1}{3}B + \frac{1}{2}\right)}$

2.  $\underline{-\frac{8}{6}\left(\frac{1}{5}C - \frac{1}{9}\right)}$

3.  $\underline{\frac{2}{9}\left(\frac{3}{5}D - \frac{4}{3}\right)}$

4.  $\underline{-\frac{2}{7}\left(\frac{2}{7}E - \frac{3}{2}\right)}$

5.  $\underline{-\frac{4}{18}\left(\frac{1}{1}F + \frac{1}{3}\right)}$

6.  $\underline{\frac{4}{9}\left(\frac{4}{7}G + \frac{1}{2}\right)}$

7.  $\underline{\frac{8}{40}\left(\frac{2}{1}H - \frac{1}{1}\right)}$

8.  $\underline{-\frac{8}{7}\left(\frac{1}{7}I - \frac{1}{2}\right)}$

9.  $\underline{-\frac{3}{5}\left(\frac{3}{8}J + \frac{1}{9}\right)}$

10.  $\underline{\frac{2}{12}\left(\frac{1}{1}K - \frac{2}{2}\right)}$





Разложите каждое выражение на множители.

1)  $\frac{12}{35B} + \frac{8}{42} =$  \_\_\_\_\_

2)  $\frac{8}{15C} + \frac{4}{40} =$  \_\_\_\_\_

3)  $\frac{4}{20D} - \frac{2}{12} =$  \_\_\_\_\_

4)  $-\frac{6}{28E} + \frac{3}{28} =$  \_\_\_\_\_

5)  $-\frac{24}{36F} - \frac{12}{36} =$  \_\_\_\_\_

6)  $\frac{2}{12G} - \frac{2}{54} =$  \_\_\_\_\_

7)  $\frac{2}{18H} - \frac{2}{63} =$  \_\_\_\_\_

8)  $-\frac{6}{28I} + \frac{4}{14} =$  \_\_\_\_\_

9)  $-\frac{9}{49J} - \frac{15}{63} =$  \_\_\_\_\_

10)  $-\frac{2}{12K} - \frac{2}{12} =$  \_\_\_\_\_

**Отвeты**

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Разложите каждое выражение на множители.

$$1) \frac{12}{35B} + \frac{8}{42} = \frac{4}{7}(\frac{3}{5}B + \frac{2}{6})$$

$$2) \frac{8}{15C} + \frac{4}{40} = \frac{4}{5}(\frac{2}{3}C + \frac{1}{8})$$

$$3) \frac{4}{20D} - \frac{2}{12} = \frac{2}{4}(\frac{2}{5}D - \frac{1}{3})$$

$$4) -\frac{6}{28E} + \frac{3}{28} = \frac{-3}{28}(\frac{2}{1}E - \frac{1}{1})$$

$$5) -\frac{24}{36F} - \frac{12}{36} = \frac{-12}{36}(\frac{2}{1}F + \frac{1}{1})$$

$$6) \frac{2}{12G} - \frac{2}{54} = \frac{2}{6}(\frac{1}{2}G - \frac{1}{9})$$

$$7) \frac{2}{18H} - \frac{2}{63} = \frac{2}{9}(\frac{1}{2}H - \frac{1}{7})$$

$$8) -\frac{6}{28I} + \frac{4}{14} = \frac{-2}{14}(\frac{3}{2}I - \frac{2}{1})$$

$$9) -\frac{9}{49J} - \frac{15}{63} = \frac{-3}{7}(\frac{3}{7}J + \frac{5}{9})$$

$$10) -\frac{2}{12K} - \frac{2}{12} = \frac{-2}{12}(\frac{1}{1}K + \frac{1}{1})$$

**ОТВЕТЫ**

1.  $\frac{4}{7}(\frac{3}{5}B + \frac{2}{6})$

2.  $\frac{4}{5}(\frac{2}{3}C + \frac{1}{8})$

3.  $\frac{2}{4}(\frac{2}{5}D - \frac{1}{3})$

4.  $\frac{-3}{28}(\frac{2}{1}E - \frac{1}{1})$

5.  $\frac{-12}{36}(\frac{2}{1}F + \frac{1}{1})$

6.  $\frac{2}{6}(\frac{1}{2}G - \frac{1}{9})$

7.  $\frac{2}{9}(\frac{1}{2}H - \frac{1}{7})$

8.  $\frac{-2}{14}(\frac{3}{2}I - \frac{2}{1})$

9.  $\frac{-3}{7}(\frac{3}{7}J + \frac{5}{9})$

10.  $\frac{-2}{12}(\frac{1}{1}K + \frac{1}{1})$



Разложите каждое выражение на множители.

1)  $\frac{3}{14B} - \frac{3}{49} =$  \_\_\_\_\_

2)  $\frac{10}{45C} - \frac{2}{15} =$  \_\_\_\_\_

3)  $-\frac{6}{36D} - \frac{3}{20} =$  \_\_\_\_\_

4)  $\frac{6}{30E} - \frac{9}{15} =$  \_\_\_\_\_

5)  $\frac{3}{36F} - \frac{9}{12} =$  \_\_\_\_\_

6)  $\frac{4}{45G} + \frac{16}{72} =$  \_\_\_\_\_

7)  $-\frac{12}{32H} - \frac{6}{20} =$  \_\_\_\_\_

8)  $\frac{4}{12I} + \frac{4}{30} =$  \_\_\_\_\_

9)  $\frac{2}{27J} - \frac{4}{36} =$  \_\_\_\_\_

10)  $-\frac{10}{48K} - \frac{4}{56} =$  \_\_\_\_\_

**Отвeты**

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Разложите каждое выражение на множители.

$$1) \frac{3}{14B} - \frac{3}{49} = \frac{3/7(1/2B - 1/7)}{\underline{\hspace{2cm}}}$$

$$2) \frac{10}{45C} - \frac{2}{15} = \frac{2/15(5/3C - 1/1)}{\underline{\hspace{2cm}}}$$

$$3) -\frac{6}{36D} - \frac{3}{20} = \frac{-3/4(2/9D + 1/5)}{\underline{\hspace{2cm}}}$$

$$4) \frac{6}{30E} - \frac{9}{15} = \frac{3/15(2/2E - 3/1)}{\underline{\hspace{2cm}}}$$

$$5) \frac{3}{36F} - \frac{9}{12} = \frac{3/12(1/3F - 3/1)}{\underline{\hspace{2cm}}}$$

$$6) \frac{4}{45G} + \frac{16}{72} = \frac{4/9(1/5G + 4/8)}{\underline{\hspace{2cm}}}$$

$$7) -\frac{12}{32H} - \frac{6}{20} = \frac{-6/4(2/8H + 1/5)}{\underline{\hspace{2cm}}}$$

$$8) \frac{4}{12I} + \frac{4}{30} = \frac{4/6(1/2I + 1/5)}{\underline{\hspace{2cm}}}$$

$$9) \frac{2}{27J} - \frac{4}{36} = \frac{2/9(1/3J - 2/4)}{\underline{\hspace{2cm}}}$$

$$10) -\frac{10}{48K} - \frac{4}{56} = \frac{-2/8(5/6K + 2/7)}{\underline{\hspace{2cm}}}$$

**ОТВЕТЫ**

1.  $\frac{3/7(1/2B - 1/7)}{\underline{\hspace{2cm}}}$

2.  $\frac{2/15(5/3C - 1/1)}{\underline{\hspace{2cm}}}$

3.  $\frac{-3/4(2/9D + 1/5)}{\underline{\hspace{2cm}}}$

4.  $\frac{3/15(2/2E - 3/1)}{\underline{\hspace{2cm}}}$

5.  $\frac{3/12(1/3F - 3/1)}{\underline{\hspace{2cm}}}$

6.  $\frac{4/9(1/5G + 4/8)}{\underline{\hspace{2cm}}}$

7.  $\frac{-6/4(2/8H + 1/5)}{\underline{\hspace{2cm}}}$

8.  $\frac{4/6(1/2I + 1/5)}{\underline{\hspace{2cm}}}$

9.  $\frac{2/9(1/3J - 2/4)}{\underline{\hspace{2cm}}}$

10.  $\frac{-2/8(5/6K + 2/7)}{\underline{\hspace{2cm}}}$



Разложите каждое выражение на множители.

1)  $\frac{20}{63}B - \frac{8}{49} =$  \_\_\_\_\_

2)  $-\frac{16}{72}C + \frac{24}{45} =$  \_\_\_\_\_

3)  $\frac{24}{63}D + \frac{4}{36} =$  \_\_\_\_\_

4)  $-\frac{3}{25}E + \frac{6}{35} =$  \_\_\_\_\_

5)  $\frac{3}{63}F + \frac{24}{21} =$  \_\_\_\_\_

6)  $\frac{32}{72}G - \frac{8}{64} =$  \_\_\_\_\_

7)  $\frac{6}{40}H + \frac{6}{64} =$  \_\_\_\_\_

8)  $\frac{8}{20}I - \frac{8}{30} =$  \_\_\_\_\_

9)  $-\frac{8}{81}J - \frac{12}{36} =$  \_\_\_\_\_

10)  $\frac{6}{36}K - \frac{3}{27} =$  \_\_\_\_\_

**ОТВЕТЫ**

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Разложите каждое выражение на множители.

$$1) \frac{20}{63B} - \frac{8}{49} = \frac{4/7(5/9B - 2/7)}{}$$

$$2) -\frac{16}{72C} + \frac{24}{45} = \frac{-8/9(2/8C - 3/5)}{}$$

$$3) \frac{24}{63D} + \frac{4}{36} = \frac{4/9(6/7D + 1/4)}{}$$

$$4) -\frac{3}{25E} + \frac{6}{35} = \frac{-3/5(1/5E - 2/7)}{}$$

$$5) \frac{3}{63F} + \frac{24}{21} = \frac{3/21(1/3F + 8/1)}{}$$

$$6) \frac{32}{72G} - \frac{8}{64} = \frac{8/8(4/9G - 1/8)}{}$$

$$7) \frac{6}{40H} + \frac{6}{64} = \frac{6/8(1/5H + 1/8)}{}$$

$$8) \frac{8}{20I} - \frac{8}{30} = \frac{8/10(1/2I - 1/3)}{}$$

$$9) -\frac{8}{81J} - \frac{12}{36} = \frac{-4/9(2/9J + 3/4)}{}$$

$$10) \frac{6}{36K} - \frac{3}{27} = \frac{3/9(2/4K - 1/3)}{}$$

**ОТВЕТЫ**

1.  $\frac{4/7(5/9B - 2/7)}{}$

2.  $\frac{-8/9(2/8C - 3/5)}{}$

3.  $\frac{4/9(6/7D + 1/4)}{}$

4.  $\frac{-3/5(1/5E - 2/7)}{}$

5.  $\frac{3/21(1/3F + 8/1)}{}$

6.  $\frac{8/8(4/9G - 1/8)}{}$

7.  $\frac{6/8(1/5H + 1/8)}{}$

8.  $\frac{8/10(1/2I - 1/3)}{}$

9.  $\frac{-4/9(2/9J + 3/4)}{}$

10.  $\frac{3/9(2/4K - 1/3)}{}$



Разложите каждое выражение на множители.

1)  $-\frac{20}{56B} + \frac{8}{63} =$  \_\_\_\_\_

2)  $\frac{9}{48C} + \frac{15}{64} =$  \_\_\_\_\_

3)  $\frac{3}{24D} + \frac{6}{24} =$  \_\_\_\_\_

4)  $-\frac{18}{72E} + \frac{6}{32} =$  \_\_\_\_\_

5)  $-\frac{8}{18F} - \frac{8}{54} =$  \_\_\_\_\_

6)  $-\frac{3}{12G} + \frac{3}{24} =$  \_\_\_\_\_

7)  $\frac{2}{12H} + \frac{2}{42} =$  \_\_\_\_\_

8)  $-\frac{21}{81I} - \frac{9}{63} =$  \_\_\_\_\_

9)  $\frac{6}{54J} + \frac{2}{27} =$  \_\_\_\_\_

10)  $-\frac{16}{40K} - \frac{4}{72} =$  \_\_\_\_\_

**Отвeты**

1. \_\_\_\_\_

2. \_\_\_\_\_

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8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



Разложите каждое выражение на множители.

$$1) -\frac{20}{56B} + \frac{8}{63} = \underline{-\frac{4}{7}(\frac{5}{8}B - \frac{2}{9})}$$

$$2) \frac{9}{48C} + \frac{15}{64} = \underline{\frac{3}{16}(\frac{3}{3}C + \frac{5}{4})}$$

$$3) \frac{3}{24D} + \frac{6}{24} = \underline{\frac{3}{24}(\frac{1}{1}D + \frac{2}{1})}$$

$$4) -\frac{18}{72E} + \frac{6}{32} = \underline{-\frac{6}{8}(\frac{3}{9}E - \frac{1}{4})}$$

$$5) -\frac{8}{18F} - \frac{8}{54} = \underline{-\frac{8}{18}(\frac{1}{1}F + \frac{1}{3})}$$

$$6) -\frac{3}{12G} + \frac{3}{24} = \underline{-\frac{3}{12}(\frac{1}{1}G - \frac{1}{2})}$$

$$7) \frac{2}{12H} + \frac{2}{42} = \underline{\frac{2}{6}(\frac{1}{2}H + \frac{1}{7})}$$

$$8) -\frac{21}{81I} - \frac{9}{63} = \underline{-\frac{3}{9}(\frac{7}{9}I + \frac{3}{7})}$$

$$9) \frac{6}{54J} + \frac{2}{27} = \underline{\frac{2}{27}(\frac{3}{2}J + \frac{1}{1})}$$

$$10) -\frac{16}{40K} - \frac{4}{72} = \underline{-\frac{4}{8}(\frac{4}{5}K + \frac{1}{9})}$$

**Отвeты**

1.  $\underline{-\frac{4}{7}(\frac{5}{8}B - \frac{2}{9})}$

2.  $\underline{\frac{3}{16}(\frac{3}{3}C + \frac{5}{4})}$

3.  $\underline{\frac{3}{24}(\frac{1}{1}D + \frac{2}{1})}$

4.  $\underline{-\frac{6}{8}(\frac{3}{9}E - \frac{1}{4})}$

5.  $\underline{-\frac{8}{18}(\frac{1}{1}F + \frac{1}{3})}$

6.  $\underline{-\frac{3}{12}(\frac{1}{1}G - \frac{1}{2})}$

7.  $\underline{\frac{2}{6}(\frac{1}{2}H + \frac{1}{7})}$

8.  $\underline{-\frac{3}{9}(\frac{7}{9}I + \frac{3}{7})}$

9.  $\underline{\frac{2}{27}(\frac{3}{2}J + \frac{1}{1})}$

10.  $\underline{-\frac{4}{8}(\frac{4}{5}K + \frac{1}{9})}$





Разложите каждое выражение на множители.

1)  $-\frac{2}{12B} - \frac{2}{54} =$  \_\_\_\_\_

2)  $-\frac{15}{64C} - \frac{21}{40} =$  \_\_\_\_\_

3)  $-\frac{2}{14D} + \frac{2}{49} =$  \_\_\_\_\_

4)  $\frac{10}{42E} - \frac{2}{36} =$  \_\_\_\_\_

5)  $-\frac{6}{30F} - \frac{9}{25} =$  \_\_\_\_\_

6)  $-\frac{4}{42G} - \frac{4}{36} =$  \_\_\_\_\_

7)  $\frac{4}{56H} + \frac{24}{56} =$  \_\_\_\_\_

8)  $\frac{20}{42I} + \frac{4}{21} =$  \_\_\_\_\_

9)  $\frac{3}{30J} - \frac{12}{48} =$  \_\_\_\_\_

10)  $-\frac{4}{20K} - \frac{2}{20} =$  \_\_\_\_\_

**Отвeты**

1. \_\_\_\_\_

2. \_\_\_\_\_

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10. \_\_\_\_\_



Разложите каждое выражение на множители.

$$1) \quad -\frac{2}{12B} - \frac{2}{54} = \underline{-\frac{2}{6}\left(\frac{1}{2}B + \frac{1}{9}\right)}$$

$$2) \quad -\frac{15}{64C} - \frac{21}{40} = \underline{-\frac{3}{8}\left(\frac{5}{8}C + \frac{7}{5}\right)}$$

$$3) \quad -\frac{2}{14D} + \frac{2}{49} = \underline{-\frac{2}{7}\left(\frac{1}{2}D - \frac{1}{7}\right)}$$

$$4) \quad \frac{10}{42E} - \frac{2}{36} = \underline{\frac{2}{6}\left(\frac{5}{7}E - \frac{1}{6}\right)}$$

$$5) \quad -\frac{6}{30F} - \frac{9}{25} = \underline{-\frac{3}{5}\left(\frac{2}{6}F + \frac{3}{5}\right)}$$

$$6) \quad -\frac{4}{42G} - \frac{4}{36} = \underline{-\frac{4}{6}\left(\frac{1}{7}G + \frac{1}{6}\right)}$$

$$7) \quad \frac{4}{56H} + \frac{24}{56} = \underline{\frac{4}{56}\left(\frac{1}{1}H + \frac{6}{1}\right)}$$

$$8) \quad \frac{20}{42I} + \frac{4}{21} = \underline{\frac{4}{21}\left(\frac{5}{2}I + \frac{1}{1}\right)}$$

$$9) \quad \frac{3}{30J} - \frac{12}{48} = \underline{\frac{3}{6}\left(\frac{1}{5}J - \frac{4}{8}\right)}$$

$$10) \quad -\frac{4}{20K} - \frac{2}{20} = \underline{-\frac{2}{20}\left(\frac{2}{1}K + \frac{1}{1}\right)}$$

**ОТВЕТЫ**

1.  $\underline{-\frac{2}{6}\left(\frac{1}{2}B + \frac{1}{9}\right)}$

2.  $\underline{-\frac{3}{8}\left(\frac{5}{8}C + \frac{7}{5}\right)}$

3.  $\underline{-\frac{2}{7}\left(\frac{1}{2}D - \frac{1}{7}\right)}$

4.  $\underline{\frac{2}{6}\left(\frac{5}{7}E - \frac{1}{6}\right)}$

5.  $\underline{-\frac{3}{5}\left(\frac{2}{6}F + \frac{3}{5}\right)}$

6.  $\underline{-\frac{4}{6}\left(\frac{1}{7}G + \frac{1}{6}\right)}$

7.  $\underline{\frac{4}{56}\left(\frac{1}{1}H + \frac{6}{1}\right)}$

8.  $\underline{\frac{4}{21}\left(\frac{5}{2}I + \frac{1}{1}\right)}$

9.  $\underline{\frac{3}{6}\left(\frac{1}{5}J - \frac{4}{8}\right)}$

10.  $\underline{-\frac{2}{20}\left(\frac{2}{1}K + \frac{1}{1}\right)}$



Разложите каждое выражение на множители.

1)  $\frac{6}{42B} + \frac{6}{12} =$  \_\_\_\_\_

2)  $-\frac{2}{16C} - \frac{2}{24} =$  \_\_\_\_\_

3)  $-\frac{2}{28D} + \frac{2}{42} =$  \_\_\_\_\_

4)  $\frac{9}{40E} + \frac{12}{48} =$  \_\_\_\_\_

5)  $\frac{6}{54F} - \frac{3}{30} =$  \_\_\_\_\_

6)  $\frac{12}{30G} - \frac{12}{30} =$  \_\_\_\_\_

7)  $-\frac{10}{24H} - \frac{2}{16} =$  \_\_\_\_\_

8)  $-\frac{4}{56I} + \frac{10}{72} =$  \_\_\_\_\_

9)  $-\frac{3}{30J} + \frac{3}{10} =$  \_\_\_\_\_

10)  $\frac{3}{20K} - \frac{12}{16} =$  \_\_\_\_\_

**Отвeты**

1. \_\_\_\_\_

2. \_\_\_\_\_

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9. \_\_\_\_\_

10. \_\_\_\_\_



Разложите каждое выражение на множители.

$$1) \frac{6}{42B} + \frac{6}{12} = \frac{6}{6}(\frac{1}{7}B + \frac{1}{2})$$

$$2) -\frac{2}{16C} - \frac{2}{24} = \frac{-2}{8}(\frac{1}{2}C + \frac{1}{3})$$

$$3) -\frac{2}{28D} + \frac{2}{42} = \frac{-2}{14}(\frac{1}{2}D - \frac{1}{3})$$

$$4) \frac{9}{40E} + \frac{12}{48} = \frac{3}{8}(\frac{3}{5}E + \frac{4}{6})$$

$$5) \frac{6}{54F} - \frac{3}{30} = \frac{3}{6}(\frac{2}{9}F - \frac{1}{5})$$

$$6) \frac{12}{30G} - \frac{12}{30} = \frac{12}{30}(\frac{1}{1}G - \frac{1}{1})$$

$$7) -\frac{10}{24H} - \frac{2}{16} = \frac{-2}{8}(\frac{5}{3}H + \frac{1}{2})$$

$$8) -\frac{4}{56I} + \frac{10}{72} = \frac{-2}{8}(\frac{2}{7}I - \frac{5}{9})$$

$$9) -\frac{3}{30J} + \frac{3}{10} = \frac{-3}{10}(\frac{1}{3}J - \frac{1}{1})$$

$$10) \frac{3}{20K} - \frac{12}{16} = \frac{3}{4}(\frac{1}{5}K - \frac{4}{4})$$

**ОТВЕТЫ**

1.  $\frac{6}{6}(\frac{1}{7}B + \frac{1}{2})$

2.  $\frac{-2}{8}(\frac{1}{2}C + \frac{1}{3})$

3.  $\frac{-2}{14}(\frac{1}{2}D - \frac{1}{3})$

4.  $\frac{3}{8}(\frac{3}{5}E + \frac{4}{6})$

5.  $\frac{3}{6}(\frac{2}{9}F - \frac{1}{5})$

6.  $\frac{12}{30}(\frac{1}{1}G - \frac{1}{1})$

7.  $\frac{-2}{8}(\frac{5}{3}H + \frac{1}{2})$

8.  $\frac{-2}{8}(\frac{2}{7}I - \frac{5}{9})$

9.  $\frac{-3}{10}(\frac{1}{3}J - \frac{1}{1})$

10.  $\frac{3}{4}(\frac{1}{5}K - \frac{4}{4})$