**Faktorisieren Sie jeden Ausdruck vollständig.**

**1)** $-\frac{12}{63}b+\frac{8}{63}$ = _____

**2)** $\frac{8}{45}c-\frac{12}{30}$ = _____

**3)** $\frac{6}{42}d+\frac{6}{49}$ = _____

**4)** $\frac{10}{42}e-\frac{8}{48}$ = _____

**5)** $\frac{3}{8}f+\frac{3}{24}$ = _____

**6)** $-\frac{12}{56}g+\frac{4}{56}$ = _____

**7)** $-\frac{6}{20}h+\frac{2}{8}$ = _____

**8)** $-\frac{8}{30}i+\frac{12}{42}$ = _____

**9)** $\frac{2}{10}j+\frac{2}{10}$ = _____

**10)** $\frac{9}{28}k+\frac{6}{35}$ = _____

**Antworten**

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Faktorisieren Sie jeden Ausdruck vollständig.**

**1)** $-\frac{12}{63}b+\frac{8}{63} = -\frac{4}{63}(\frac{3}{1}b - \frac{2}{1})$

**2)** $\frac{8}{45}c-\frac{12}{30} = \frac{4}{15}(\frac{2}{3}c - \frac{3}{2})$

**3)** $\frac{6}{42}d+\frac{6}{49} = \frac{6}{7}(\frac{1}{6}d + \frac{1}{7})$

**4)** $\frac{10}{42}e-\frac{8}{48} = \frac{2}{6}(\frac{5}{7}e - \frac{4}{8})$

**5)** $\frac{3}{8}f+\frac{3}{24} = \frac{3}{8}(\frac{1}{1}f + \frac{1}{3})$

**6)** $-\frac{12}{56}g+\frac{4}{56} = -\frac{4}{56}(\frac{3}{1}g - \frac{1}{1})$

**7)** $-\frac{6}{20}h+\frac{2}{8} = -\frac{2}{4}(\frac{3}{5}h - \frac{1}{2})$

**8)** $-\frac{8}{30}i+\frac{12}{42} = -\frac{4}{6}(\frac{2}{5}i - \frac{3}{7})$

**9)** $\frac{2}{10}j+\frac{2}{10} = \frac{2}{10}(\frac{1}{1}j + \frac{1}{1})$

**10)** $\frac{9}{28}k+\frac{6}{35} = \frac{3}{7}(\frac{3}{4}k + \frac{2}{5})$

**Antworten**

1. $-\frac{4}{63}(\frac{3}{1}b - \frac{2}{1})$
2. $\frac{4}{15}(\frac{2}{3}c - \frac{3}{2})$
3. $\frac{6}{7}(\frac{1}{6}d + \frac{1}{7})$
4. $\frac{2}{6}(\frac{5}{7}e - \frac{4}{8})$
5. $\frac{3}{8}(\frac{1}{1}f + \frac{1}{3})$
6. $-\frac{4}{56}(\frac{3}{1}g - \frac{1}{1})$
7. $-\frac{2}{4}(\frac{3}{5}h - \frac{1}{2})$
8. $-\frac{4}{6}(\frac{2}{5}i - \frac{3}{7})$
9. $\frac{2}{10}(\frac{1}{1}j + \frac{1}{1})$
10. $\frac{3}{7}(\frac{3}{4}k + \frac{2}{5})$



| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|