

**Faktorisieren Sie jeden Ausdruck vollständig.****Antworten**

1) $\frac{2}{24}b - \frac{10}{16} =$ _____

1. _____

2) $\frac{3}{18}c + \frac{6}{42} =$ _____

2. _____

3) $-\frac{4}{18}d - \frac{4}{45} =$ _____

3. _____

4. _____

4) $-\frac{12}{45}e + \frac{3}{81} =$ _____

5. _____

6. _____

7. _____

8. _____

5) $\frac{16}{30}f + \frac{20}{25} =$ _____

9. _____

10. _____

6) $\frac{8}{35}g - \frac{12}{35} =$ _____

7) $-\frac{3}{42}h + \frac{6}{56} =$ _____

8) $\frac{4}{20}i - \frac{12}{20} =$ _____

9) $-\frac{3}{72}j + \frac{21}{45} =$ _____

10) $\frac{15}{36}k + \frac{21}{24} =$ _____



Faktorisieren Sie jeden Ausdruck vollständig.

$$1) \quad \frac{2}{24}b - \frac{10}{16} = \underline{\frac{2}{8}(\frac{1}{3}b - \frac{5}{2})}$$

$$2) \quad \frac{3}{18}c + \frac{6}{42} = \underline{\frac{3}{6}(\frac{1}{3}c + \frac{2}{7})}$$

$$3) \quad -\frac{4}{18}d - \frac{4}{45} = \underline{-\frac{4}{9}(\frac{1}{2}d + \frac{1}{5})}$$

$$4) \quad -\frac{12}{45}e + \frac{3}{81} = \underline{-\frac{3}{9}(\frac{4}{5}e - \frac{1}{9})}$$

$$5) \quad \frac{16}{30}f + \frac{20}{25} = \underline{\frac{4}{5}(\frac{4}{6}f + \frac{5}{5})}$$

$$6) \quad \frac{8}{35}g - \frac{12}{35} = \underline{\frac{4}{35}(\frac{2}{18}g - \frac{3}{1})}$$

$$7) \quad -\frac{3}{42}h + \frac{6}{56} = \underline{-\frac{3}{14}(\frac{1}{3}h - \frac{2}{4})}$$

$$8) \quad \frac{4}{20}i - \frac{12}{20} = \underline{\frac{4}{20}(\frac{1}{1}i - \frac{3}{1})}$$

$$9) \quad -\frac{3}{72}j + \frac{21}{45} = \underline{-\frac{3}{9}(\frac{1}{8}j - \frac{7}{5})}$$

$$10) \quad \frac{15}{36}k + \frac{21}{24} = \underline{\frac{3}{12}(\frac{5}{3}k + \frac{7}{2})}$$

Antworten

$$1. \quad \underline{\frac{2}{8}(\frac{1}{3}b - \frac{5}{2})}$$

$$2. \quad \underline{\frac{3}{6}(\frac{1}{3}c + \frac{2}{7})}$$

$$3. \quad \underline{-\frac{4}{9}(\frac{1}{2}d + \frac{1}{5})}$$

$$4. \quad \underline{-\frac{3}{9}(\frac{4}{5}e - \frac{1}{9})}$$

$$5. \quad \underline{\frac{4}{5}(\frac{4}{6}f + \frac{5}{5})}$$

$$6. \quad \underline{\frac{4}{35}(\frac{2}{18}g - \frac{3}{1})}$$

$$7. \quad \underline{-\frac{3}{14}(\frac{1}{3}h - \frac{2}{4})}$$

$$8. \quad \underline{\frac{4}{20}(\frac{1}{1}i - \frac{3}{1})}$$

$$9. \quad \underline{-\frac{3}{9}(\frac{1}{8}j - \frac{7}{5})}$$

$$10. \quad \underline{\frac{3}{12}(\frac{5}{3}k + \frac{7}{2})}$$