



Factor each expression completely.

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

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

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

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

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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

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

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

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

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

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

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

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

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

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

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

Answers

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

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

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

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

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

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

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

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

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

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