



Factor each expression completely.

1) $\frac{6}{72}b - \frac{3}{45} =$ _____

2) $\frac{12}{72}c + \frac{10}{36} =$ _____

3) $-\frac{2}{18}d - \frac{2}{18} =$ _____

4) $-\frac{14}{72}e - \frac{8}{64} =$ _____

5) $-\frac{9}{24}f - \frac{3}{48} =$ _____

6) $\frac{2}{12}g + \frac{2}{48} =$ _____

7) $\frac{4}{21}h + \frac{4}{56} =$ _____

8) $-\frac{12}{54}i + \frac{15}{24} =$ _____

9) $-\frac{4}{14}j + \frac{4}{14} =$ _____

10) $\frac{10}{21}k + \frac{12}{12} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \frac{6}{72}b - \frac{3}{45} = \underline{\frac{3}{9}(\frac{2}{8}b - \frac{1}{5})}$$

$$2) \frac{12}{72}c + \frac{10}{36} = \underline{\frac{2}{36}(\frac{6}{2}c + \frac{5}{1})}$$

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

$$4) -\frac{14}{72}e - \frac{8}{64} = \underline{-\frac{2}{8}(\frac{7}{9}e + \frac{4}{8})}$$

$$5) -\frac{9}{24}f - \frac{3}{48} = \underline{-\frac{3}{24}(\frac{3}{1}f + \frac{1}{2})}$$

$$6) \frac{2}{12}g + \frac{2}{48} = \underline{\frac{2}{12}(\frac{1}{1}g + \frac{1}{4})}$$

$$7) \frac{4}{21}h + \frac{4}{56} = \underline{\frac{4}{7}(\frac{1}{3}h + \frac{1}{8})}$$

$$8) -\frac{12}{54}i + \frac{15}{24} = \underline{-\frac{3}{6}(\frac{4}{9}i - \frac{5}{4})}$$

$$9) -\frac{4}{14}j + \frac{4}{14} = \underline{-\frac{4}{14}(\frac{1}{1}j - \frac{1}{1})}$$

$$10) \frac{10}{21}k + \frac{12}{12} = \underline{\frac{2}{3}(\frac{5}{7}k + \frac{6}{4})}$$

Answers

1. $\underline{\frac{3}{9}(\frac{2}{8}b - \frac{1}{5})}$

2. $\underline{\frac{2}{36}(\frac{6}{2}c + \frac{5}{1})}$

3. $\underline{-\frac{2}{18}(\frac{1}{1}d + \frac{1}{1})}$

4. $\underline{-\frac{2}{8}(\frac{7}{9}e + \frac{4}{8})}$

5. $\underline{-\frac{3}{24}(\frac{3}{1}f + \frac{1}{2})}$

6. $\underline{\frac{2}{12}(\frac{1}{1}g + \frac{1}{4})}$

7. $\underline{\frac{4}{7}(\frac{1}{3}h + \frac{1}{8})}$

8. $\underline{-\frac{3}{6}(\frac{4}{9}i - \frac{5}{4})}$

9. $\underline{-\frac{4}{14}(\frac{1}{1}j - \frac{1}{1})}$

10. $\underline{\frac{2}{3}(\frac{5}{7}k + \frac{6}{4})}$