



Factor each expression completely.

1) $-\frac{8}{42b} + \frac{24}{18} =$ _____

2) $\frac{4}{24c} + \frac{2}{42} =$ _____

3) $-\frac{8}{24d} + \frac{8}{24} =$ _____

4) $\frac{4}{28e} + \frac{2}{56} =$ _____

5) $-\frac{6}{20f} - \frac{6}{30} =$ _____

6) $-\frac{6}{20g} + \frac{9}{20} =$ _____

7) $-\frac{3}{18h} + \frac{3}{18} =$ _____

8) $\frac{12}{48j} - \frac{10}{48} =$ _____

9) $\frac{3}{36k} + \frac{9}{18} =$ _____

10) $\frac{2}{12m} - \frac{2}{12} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) -\frac{8}{42}b + \frac{24}{18} = \underline{-\frac{8}{6}\left(\frac{1}{7}b - \frac{3}{3}\right)}$$

$$2) \frac{4}{24}c + \frac{2}{42} = \underline{\frac{2}{6}\left(\frac{2}{4}c + \frac{1}{7}\right)}$$

$$3) -\frac{8}{24}d + \frac{8}{24} = \underline{-\frac{8}{24}\left(\frac{1}{1}d - \frac{1}{1}\right)}$$

$$4) \frac{4}{28}e + \frac{2}{56} = \underline{\frac{2}{28}\left(\frac{2}{1}e + \frac{1}{2}\right)}$$

$$5) -\frac{6}{20}f - \frac{6}{30} = \underline{-\frac{6}{10}\left(\frac{1}{2}f + \frac{1}{3}\right)}$$

$$6) -\frac{6}{20}g + \frac{9}{20} = \underline{-\frac{3}{20}\left(\frac{2}{1}g - \frac{3}{1}\right)}$$

$$7) -\frac{3}{18}h + \frac{3}{18} = \underline{-\frac{3}{18}\left(\frac{1}{1}h - \frac{1}{1}\right)}$$

$$8) \frac{12}{48}j - \frac{10}{48} = \underline{\frac{2}{48}\left(\frac{6}{1}j - \frac{5}{1}\right)}$$

$$9) \frac{3}{36}k + \frac{9}{18} = \underline{\frac{3}{18}\left(\frac{1}{2}k + \frac{3}{1}\right)}$$

$$10) \frac{2}{12}m - \frac{2}{12} = \underline{\frac{2}{12}\left(\frac{1}{1}m - \frac{1}{1}\right)}$$

Answers

1. $\underline{-\frac{8}{6}\left(\frac{1}{7}b - \frac{3}{3}\right)}$

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

3. $\underline{-\frac{8}{24}\left(\frac{1}{1}d - \frac{1}{1}\right)}$

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

5. $\underline{-\frac{6}{10}\left(\frac{1}{2}f + \frac{1}{3}\right)}$

6. $\underline{-\frac{3}{20}\left(\frac{2}{1}g - \frac{3}{1}\right)}$

7. $\underline{-\frac{3}{18}\left(\frac{1}{1}h - \frac{1}{1}\right)}$

8. $\underline{\frac{2}{48}\left(\frac{6}{1}j - \frac{5}{1}\right)}$

9. $\underline{\frac{3}{18}\left(\frac{1}{2}k + \frac{3}{1}\right)}$

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