



Factor each expression completely.

1) $-\frac{4}{18}b + \frac{4}{54} =$ _____

2) $-\frac{12}{24}c - \frac{12}{12} =$ _____

3) $\frac{4}{42}d + \frac{8}{28} =$ _____

4) $-\frac{8}{36}e - \frac{12}{36} =$ _____

5) $-\frac{8}{32}f + \frac{12}{48} =$ _____

6) $-\frac{3}{16}g + \frac{3}{56} =$ _____

7) $\frac{20}{30}h + \frac{12}{45} =$ _____

8) $\frac{12}{36}i + \frac{16}{20} =$ _____

9) $-\frac{6}{32}j + \frac{3}{32} =$ _____

10) $-\frac{4}{21}k + \frac{8}{35} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \quad -\frac{4}{18}b + \frac{4}{54} = \underline{-\frac{4}{18}\left(\frac{1}{1}b - \frac{1}{3}\right)}$$

$$2) \quad -\frac{12}{24}c - \frac{12}{12} = \underline{-\frac{12}{12}\left(\frac{1}{2}c + \frac{1}{1}\right)}$$

$$3) \quad \frac{4}{42}d + \frac{8}{28} = \underline{\frac{4}{14}\left(\frac{1}{3}d + \frac{2}{2}\right)}$$

$$4) \quad -\frac{8}{36}e - \frac{12}{36} = \underline{-\frac{4}{36}\left(\frac{2}{1}e + \frac{3}{1}\right)}$$

$$5) \quad -\frac{8}{32}f + \frac{12}{48} = \underline{-\frac{4}{16}\left(\frac{2}{2}f - \frac{3}{3}\right)}$$

$$6) \quad -\frac{3}{16}g + \frac{3}{56} = \underline{-\frac{3}{8}\left(\frac{1}{2}g - \frac{1}{7}\right)}$$

$$7) \quad \frac{20}{30}h + \frac{12}{45} = \underline{\frac{4}{15}\left(\frac{5}{2}h + \frac{3}{3}\right)}$$

$$8) \quad \frac{12}{36}i + \frac{16}{20} = \underline{\frac{4}{4}\left(\frac{3}{9}i + \frac{4}{5}\right)}$$

$$9) \quad -\frac{6}{32}j + \frac{3}{32} = \underline{-\frac{3}{32}\left(\frac{2}{1}j - \frac{1}{1}\right)}$$

$$10) \quad -\frac{4}{21}k + \frac{8}{35} = \underline{-\frac{4}{7}\left(\frac{1}{3}k - \frac{2}{5}\right)}$$

Answers

1. $\underline{-\frac{4}{18}\left(\frac{1}{1}b - \frac{1}{3}\right)}$

2. $\underline{-\frac{12}{12}\left(\frac{1}{2}c + \frac{1}{1}\right)}$

3. $\underline{\frac{4}{14}\left(\frac{1}{3}d + \frac{2}{2}\right)}$

4. $\underline{-\frac{4}{36}\left(\frac{2}{1}e + \frac{3}{1}\right)}$

5. $\underline{-\frac{4}{16}\left(\frac{2}{2}f - \frac{3}{3}\right)}$

6. $\underline{-\frac{3}{8}\left(\frac{1}{2}g - \frac{1}{7}\right)}$

7. $\underline{\frac{4}{15}\left(\frac{5}{2}h + \frac{3}{3}\right)}$

8. $\underline{\frac{4}{4}\left(\frac{3}{9}i + \frac{4}{5}\right)}$

9. $\underline{-\frac{3}{32}\left(\frac{2}{1}j - \frac{1}{1}\right)}$

10. $\underline{-\frac{4}{7}\left(\frac{1}{3}k - \frac{2}{5}\right)}$