



Factor each expression completely.

1) $\frac{3}{14}b + \frac{3}{35} =$ _____

2) $-\frac{4}{20}c + \frac{8}{10} =$ _____

3) $\frac{2}{25}d - \frac{8}{40} =$ _____

4) $\frac{2}{32}e - \frac{4}{56} =$ _____

5) $\frac{16}{27}f + \frac{16}{15} =$ _____

6) $-\frac{4}{18}g - \frac{2}{54} =$ _____

7) $-\frac{12}{35}h + \frac{8}{14} =$ _____

8) $-\frac{16}{40}i - \frac{8}{56} =$ _____

9) $\frac{6}{20}j - \frac{9}{16} =$ _____

10) $-\frac{12}{35}k + \frac{16}{20} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \frac{3}{14}b + \frac{3}{35} = \underline{\frac{3}{7}(\frac{1}{2}b + \frac{1}{5})}$$

$$2) -\frac{4}{20}c + \frac{8}{10} = \underline{-\frac{4}{10}(\frac{1}{2}c - \frac{2}{1})}$$

$$3) \frac{2}{25}d - \frac{8}{40} = \underline{\frac{2}{5}(\frac{1}{5}d - \frac{4}{8})}$$

$$4) \frac{2}{32}e - \frac{4}{56} = \underline{\frac{2}{8}(\frac{1}{4}e - \frac{2}{7})}$$

$$5) \frac{16}{27}f + \frac{16}{15} = \underline{\frac{16}{3}(\frac{1}{9}f + \frac{1}{5})}$$

$$6) -\frac{4}{18}g - \frac{2}{54} = \underline{-\frac{2}{18}(\frac{2}{1}g + \frac{1}{3})}$$

$$7) -\frac{12}{35}h + \frac{8}{14} = \underline{-\frac{4}{7}(\frac{3}{5}h - \frac{2}{2})}$$

$$8) -\frac{16}{40}i - \frac{8}{56} = \underline{-\frac{8}{8}(\frac{2}{5}i + \frac{1}{7})}$$

$$9) \frac{6}{20}j - \frac{9}{16} = \underline{\frac{3}{4}(\frac{2}{5}j - \frac{3}{4})}$$

$$10) -\frac{12}{35}k + \frac{16}{20} = \underline{-\frac{4}{5}(\frac{3}{7}k - \frac{4}{4})}$$

Answers

1. $\underline{\frac{3}{7}(\frac{1}{2}b + \frac{1}{5})}$

2. $\underline{-\frac{4}{10}(\frac{1}{2}c - \frac{2}{1})}$

3. $\underline{\frac{2}{5}(\frac{1}{5}d - \frac{4}{8})}$

4. $\underline{\frac{2}{8}(\frac{1}{4}e - \frac{2}{7})}$

5. $\underline{\frac{16}{3}(\frac{1}{9}f + \frac{1}{5})}$

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

7. $\underline{-\frac{4}{7}(\frac{3}{5}h - \frac{2}{2})}$

8. $\underline{-\frac{8}{8}(\frac{2}{5}i + \frac{1}{7})}$

9. $\underline{\frac{3}{4}(\frac{2}{5}j - \frac{3}{4})}$

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