



Factor each expression completely.

1) $\frac{24}{54}b + \frac{18}{36} =$ _____

2) $\frac{4}{63}c - \frac{6}{14} =$ _____

3) $-\frac{10}{36}d - \frac{6}{30} =$ _____

4) $-\frac{4}{15}e - \frac{8}{10} =$ _____

5) $-\frac{16}{64}f - \frac{20}{24} =$ _____

6) $\frac{2}{36}g + \frac{2}{72} =$ _____

7) $-\frac{21}{56}h + \frac{3}{49} =$ _____

8) $-\frac{6}{48}i + \frac{12}{64} =$ _____

9) $-\frac{16}{30}j - \frac{16}{18} =$ _____

10) $\frac{10}{45}k + \frac{12}{30} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \frac{24}{54}b + \frac{18}{36} = \frac{6}{18}(\frac{4}{3}b + \frac{3}{2})$$

$$2) \frac{4}{63}c - \frac{6}{14} = \frac{2}{7}(\frac{2}{9}c - \frac{3}{2})$$

$$3) -\frac{10}{36}d - \frac{6}{30} = \frac{-2}{6}(\frac{5}{6}d + \frac{3}{5})$$

$$4) -\frac{4}{15}e - \frac{8}{10} = \frac{-4}{5}(\frac{1}{3}e + \frac{2}{2})$$

$$5) -\frac{16}{64}f - \frac{20}{24} = \frac{-4}{8}(\frac{4}{8}f + \frac{5}{3})$$

$$6) \frac{2}{36}g + \frac{2}{72} = \frac{2}{36}(\frac{1}{18}g + \frac{1}{2})$$

$$7) -\frac{21}{56}h + \frac{3}{49} = \frac{-3}{7}(\frac{7}{8}h - \frac{1}{7})$$

$$8) -\frac{6}{48}i + \frac{12}{64} = \frac{-6}{16}(\frac{1}{3}i - \frac{2}{4})$$

$$9) -\frac{16}{30}j - \frac{16}{18} = \frac{-16}{6}(\frac{1}{5}j + \frac{1}{3})$$

$$10) \frac{10}{45}k + \frac{12}{30} = \frac{2}{15}(\frac{5}{3}k + \frac{6}{2})$$

Answers

1. $\frac{6}{18}(\frac{4}{3}b + \frac{3}{2})$

2. $\frac{2}{7}(\frac{2}{9}c - \frac{3}{2})$

3. $\frac{-2}{6}(\frac{5}{6}d + \frac{3}{5})$

4. $\frac{-4}{5}(\frac{1}{3}e + \frac{2}{2})$

5. $\frac{-4}{8}(\frac{4}{8}f + \frac{5}{3})$

6. $\frac{2}{36}(\frac{1}{18}g + \frac{1}{2})$

7. $\frac{-3}{7}(\frac{7}{8}h - \frac{1}{7})$

8. $\frac{-6}{16}(\frac{1}{3}i - \frac{2}{4})$

9. $\frac{-16}{6}(\frac{1}{5}j + \frac{1}{3})$

10. $\frac{2}{15}(\frac{5}{3}k + \frac{6}{2})$