



Factor each expression completely.

1) $-\frac{9}{25}b - \frac{3}{20} =$ _____

2) $\frac{8}{42}c + \frac{2}{42} =$ _____

3) $-\frac{12}{72}d + \frac{14}{18} =$ _____

4) $-\frac{2}{45}e + \frac{14}{30} =$ _____

5) $\frac{14}{36}f - \frac{12}{28} =$ _____

6) $-\frac{20}{72}g - \frac{20}{64} =$ _____

7) $\frac{2}{12}h + \frac{2}{48} =$ _____

8) $\frac{15}{56}i + \frac{3}{32} =$ _____

9) $\frac{6}{48}j - \frac{9}{16} =$ _____

10) $-\frac{3}{32}k - \frac{3}{32} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \quad -\frac{9}{25}b - \frac{3}{20} = \underline{-\frac{3}{5}\left(\frac{3}{5}b + \frac{1}{4}\right)}$$

$$2) \quad \frac{8}{42}c + \frac{2}{42} = \underline{\frac{2}{42}\left(\frac{4}{1}c + \frac{1}{1}\right)}$$

$$3) \quad -\frac{12}{72}d + \frac{14}{18} = \underline{-\frac{2}{18}\left(\frac{6}{4}d - \frac{7}{1}\right)}$$

$$4) \quad -\frac{2}{45}e + \frac{14}{30} = \underline{-\frac{2}{15}\left(\frac{1}{3}e - \frac{7}{2}\right)}$$

$$5) \quad \frac{14}{36}f - \frac{12}{28} = \underline{\frac{2}{4}\left(\frac{7}{9}f - \frac{6}{7}\right)}$$

$$6) \quad -\frac{20}{72}g - \frac{20}{64} = \underline{-\frac{20}{8}\left(\frac{1}{9}g + \frac{1}{8}\right)}$$

$$7) \quad \frac{2}{12}h + \frac{2}{48} = \underline{\frac{2}{12}\left(\frac{1}{1}h + \frac{1}{4}\right)}$$

$$8) \quad \frac{15}{56}i + \frac{3}{32} = \underline{\frac{3}{8}\left(\frac{5}{7}i + \frac{1}{4}\right)}$$

$$9) \quad \frac{6}{48}j - \frac{9}{16} = \underline{\frac{3}{16}\left(\frac{2}{3}j - \frac{3}{1}\right)}$$

$$10) \quad -\frac{3}{32}k - \frac{3}{32} = \underline{-\frac{3}{32}\left(\frac{1}{1}k + \frac{1}{1}\right)}$$

Answers

1. $\underline{-\frac{3}{5}\left(\frac{3}{5}b + \frac{1}{4}\right)}$

2. $\underline{\frac{2}{42}\left(\frac{4}{1}c + \frac{1}{1}\right)}$

3. $\underline{-\frac{2}{18}\left(\frac{6}{4}d - \frac{7}{1}\right)}$

4. $\underline{-\frac{2}{15}\left(\frac{1}{3}e - \frac{7}{2}\right)}$

5. $\underline{\frac{2}{4}\left(\frac{7}{9}f - \frac{6}{7}\right)}$

6. $\underline{-\frac{20}{8}\left(\frac{1}{9}g + \frac{1}{8}\right)}$

7. $\underline{\frac{2}{12}\left(\frac{1}{1}h + \frac{1}{4}\right)}$

8. $\underline{\frac{3}{8}\left(\frac{5}{7}i + \frac{1}{4}\right)}$

9. $\underline{\frac{3}{16}\left(\frac{2}{3}j - \frac{3}{1}\right)}$

10. $\underline{-\frac{3}{32}\left(\frac{1}{1}k + \frac{1}{1}\right)}$