



Factor each expression completely.

1) $\frac{4}{24b} - \frac{2}{42} =$ _____

2) $-\frac{4}{12c} - \frac{4}{16} =$ _____

3) $\frac{24}{64d} - \frac{20}{40} =$ _____

4) $\frac{14}{36e} + \frac{10}{36} =$ _____

5) $\frac{4}{24f} + \frac{4}{24} =$ _____

6) $\frac{2}{15g} - \frac{4}{30} =$ _____

7) $-\frac{4}{25h} - \frac{8}{35} =$ _____

8) $\frac{6}{28j} + \frac{6}{28} =$ _____

9) $\frac{2}{12k} - \frac{2}{54} =$ _____

10) $\frac{4}{27m} - \frac{2}{63} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \frac{4}{24b} - \frac{2}{42} = \underline{\frac{2}{6}(\frac{2}{4}b - \frac{1}{7})}$$

$$2) -\frac{4}{12c} - \frac{4}{16} = \underline{-\frac{4}{4}(\frac{1}{3}c + \frac{1}{4})}$$

$$3) \frac{24}{64d} - \frac{20}{40} = \underline{\frac{4}{8}(\frac{6}{8}d - \frac{5}{5})}$$

$$4) \frac{14}{36e} + \frac{10}{36} = \underline{\frac{2}{36}(\frac{7}{1}e + \frac{5}{1})}$$

$$5) \frac{4}{24f} + \frac{4}{24} = \underline{\frac{4}{24}(\frac{1}{1}f + \frac{1}{1})}$$

$$6) \frac{2}{15g} - \frac{4}{30} = \underline{\frac{2}{15}(\frac{1}{1}g - \frac{2}{2})}$$

$$7) -\frac{4}{25h} - \frac{8}{35} = \underline{-\frac{4}{5}(\frac{1}{5}h + \frac{2}{7})}$$

$$8) \frac{6}{28j} + \frac{6}{28} = \underline{\frac{6}{28}(\frac{1}{1}j + \frac{1}{1})}$$

$$9) \frac{2}{12k} - \frac{2}{54} = \underline{\frac{2}{6}(\frac{1}{2}k - \frac{1}{9})}$$

$$10) \frac{4}{27m} - \frac{2}{63} = \underline{\frac{2}{9}(\frac{2}{3}m - \frac{1}{7})}$$

Answers

1. $\underline{\frac{2}{6}(\frac{2}{4}b - \frac{1}{7})}$

2. $\underline{-\frac{4}{4}(\frac{1}{3}c + \frac{1}{4})}$

3. $\underline{\frac{4}{8}(\frac{6}{8}d - \frac{5}{5})}$

4. $\underline{\frac{2}{36}(\frac{7}{1}e + \frac{5}{1})}$

5. $\underline{\frac{4}{24}(\frac{1}{1}f + \frac{1}{1})}$

6. $\underline{\frac{2}{15}(\frac{1}{1}g - \frac{2}{2})}$

7. $\underline{-\frac{4}{5}(\frac{1}{5}h + \frac{2}{7})}$

8. $\underline{\frac{6}{28}(\frac{1}{1}j + \frac{1}{1})}$

9. $\underline{\frac{2}{6}(\frac{1}{2}k - \frac{1}{9})}$

10. $\underline{\frac{2}{9}(\frac{2}{3}m - \frac{1}{7})}$