



Factor each expression completely.

Answers

1) $\frac{2}{63}b + \frac{12}{18} =$ _____

1. _____

2) $\frac{12}{72}c - \frac{14}{40} =$ _____

2. _____

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

3. _____

4) $\frac{9}{20}e + \frac{9}{45} =$ _____

4. _____

5) $-\frac{3}{18}f + \frac{3}{72} =$ _____

5. _____

6) $-\frac{2}{36}g - \frac{4}{63} =$ _____

6. _____

7) $\frac{15}{64}h + \frac{15}{32} =$ _____

7. _____

8) $-\frac{16}{48}i + \frac{4}{32} =$ _____

8. _____

9) $\frac{2}{18}j + \frac{2}{63} =$ _____

9. _____

10) $\frac{6}{42}k + \frac{6}{49} =$ _____

10. _____



Factor each expression completely.

$$1) \frac{2}{63}b + \frac{12}{18} = \underline{\frac{2}{9}\left(\frac{1}{7}b + \frac{6}{2}\right)}$$

$$2) \frac{12}{72}c - \frac{14}{40} = \underline{\frac{2}{8}\left(\frac{6}{9}c - \frac{7}{5}\right)}$$

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

$$4) \frac{9}{20}e + \frac{9}{45} = \underline{\frac{9}{5}\left(\frac{1}{4}e + \frac{1}{9}\right)}$$

$$5) -\frac{3}{18}f + \frac{3}{72} = \underline{-\frac{3}{18}\left(\frac{1}{1}f - \frac{1}{4}\right)}$$

$$6) -\frac{2}{36}g - \frac{4}{63} = \underline{-\frac{2}{9}\left(\frac{1}{4}g + \frac{2}{7}\right)}$$

$$7) \frac{15}{64}h + \frac{15}{32} = \underline{\frac{15}{32}\left(\frac{1}{2}h + \frac{1}{1}\right)}$$

$$8) -\frac{16}{48}i + \frac{4}{32} = \underline{-\frac{4}{16}\left(\frac{4}{3}i - \frac{1}{2}\right)}$$

$$9) \frac{2}{18}j + \frac{2}{63} = \underline{\frac{2}{9}\left(\frac{1}{2}j + \frac{1}{7}\right)}$$

$$10) \frac{6}{42}k + \frac{6}{49} = \underline{\frac{6}{7}\left(\frac{1}{6}k + \frac{1}{7}\right)}$$

Answers

$$1. \underline{\frac{2}{9}\left(\frac{1}{7}b + \frac{6}{2}\right)}$$

$$2. \underline{\frac{2}{8}\left(\frac{6}{9}c - \frac{7}{5}\right)}$$

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

$$4. \underline{\frac{9}{5}\left(\frac{1}{4}e + \frac{1}{9}\right)}$$

$$5. \underline{-\frac{3}{18}\left(\frac{1}{1}f - \frac{1}{4}\right)}$$

$$6. \underline{-\frac{2}{9}\left(\frac{1}{4}g + \frac{2}{7}\right)}$$

$$7. \underline{\frac{15}{32}\left(\frac{1}{2}h + \frac{1}{1}\right)}$$

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

$$9. \underline{\frac{2}{9}\left(\frac{1}{2}j + \frac{1}{7}\right)}$$

$$10. \underline{\frac{6}{7}\left(\frac{1}{6}k + \frac{1}{7}\right)}$$