



Factor each expression completely.

1)  $\frac{6}{72}b - \frac{3}{45} =$  \_\_\_\_\_

2)  $\frac{12}{72}c + \frac{10}{36} =$  \_\_\_\_\_

3)  $-\frac{2}{18}d - \frac{2}{18} =$  \_\_\_\_\_

4)  $-\frac{14}{72}e - \frac{8}{64} =$  \_\_\_\_\_

5)  $-\frac{9}{24}f - \frac{3}{48} =$  \_\_\_\_\_

6)  $\frac{2}{12}g + \frac{2}{48} =$  \_\_\_\_\_

7)  $\frac{4}{21}h + \frac{4}{56} =$  \_\_\_\_\_

8)  $-\frac{12}{54}i + \frac{15}{24} =$  \_\_\_\_\_

9)  $-\frac{4}{14}j + \frac{4}{14} =$  \_\_\_\_\_

10)  $\frac{10}{21}k + \frac{12}{12} =$  \_\_\_\_\_

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



Factor each expression completely.

$$1) \frac{6}{72}b - \frac{3}{45} = \underline{\frac{3}{9}(\frac{2}{8}b - \frac{1}{5})}$$

$$2) \frac{12}{72}c + \frac{10}{36} = \underline{\frac{2}{36}(\frac{6}{2}c + \frac{5}{1})}$$

$$3) -\frac{2}{18}d - \frac{2}{18} = \underline{-\frac{2}{18}(\frac{1}{1}d + \frac{1}{1})}$$

$$4) -\frac{14}{72}e - \frac{8}{64} = \underline{-\frac{2}{8}(\frac{7}{9}e + \frac{4}{8})}$$

$$5) -\frac{9}{24}f - \frac{3}{48} = \underline{-\frac{3}{24}(\frac{3}{1}f + \frac{1}{2})}$$

$$6) \frac{2}{12}g + \frac{2}{48} = \underline{\frac{2}{12}(\frac{1}{1}g + \frac{1}{4})}$$

$$7) \frac{4}{21}h + \frac{4}{56} = \underline{\frac{4}{7}(\frac{1}{3}h + \frac{1}{8})}$$

$$8) -\frac{12}{54}i + \frac{15}{24} = \underline{-\frac{3}{6}(\frac{4}{9}i - \frac{5}{4})}$$

$$9) -\frac{4}{14}j + \frac{4}{14} = \underline{-\frac{4}{14}(\frac{1}{1}j - \frac{1}{1})}$$

$$10) \frac{10}{21}k + \frac{12}{12} = \underline{\frac{2}{3}(\frac{5}{7}k + \frac{6}{4})}$$

**Answers**

1.  $\underline{\frac{3}{9}(\frac{2}{8}b - \frac{1}{5})}$

2.  $\underline{\frac{2}{36}(\frac{6}{2}c + \frac{5}{1})}$

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

4.  $\underline{-\frac{2}{8}(\frac{7}{9}e + \frac{4}{8})}$

5.  $\underline{-\frac{3}{24}(\frac{3}{1}f + \frac{1}{2})}$

6.  $\underline{\frac{2}{12}(\frac{1}{1}g + \frac{1}{4})}$

7.  $\underline{\frac{4}{7}(\frac{1}{3}h + \frac{1}{8})}$

8.  $\underline{-\frac{3}{6}(\frac{4}{9}i - \frac{5}{4})}$

9.  $\underline{-\frac{4}{14}(\frac{1}{1}j - \frac{1}{1})}$

10.  $\underline{\frac{2}{3}(\frac{5}{7}k + \frac{6}{4})}$