



Factor each expression completely.

1)  $\frac{4}{28}b - \frac{8}{14} =$  \_\_\_\_\_

2)  $\frac{8}{36}c + \frac{2}{54} =$  \_\_\_\_\_

3)  $\frac{4}{18}d - \frac{4}{63} =$  \_\_\_\_\_

4)  $\frac{18}{63}e + \frac{9}{72} =$  \_\_\_\_\_

5)  $-\frac{12}{32}f + \frac{21}{16} =$  \_\_\_\_\_

6)  $\frac{4}{72}g + \frac{4}{32} =$  \_\_\_\_\_

7)  $-\frac{2}{42}h + \frac{2}{21} =$  \_\_\_\_\_

8)  $-\frac{6}{45}i - \frac{12}{81} =$  \_\_\_\_\_

9)  $\frac{12}{64}j - \frac{9}{72} =$  \_\_\_\_\_

10)  $\frac{12}{45}k + \frac{9}{27} =$  \_\_\_\_\_

**Answers**

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

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

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

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

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

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

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

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

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

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



Factor each expression completely.

$$1) \frac{4}{28}b - \frac{8}{14} = \frac{4}{14}(\frac{1}{2}b - \frac{2}{1})$$

$$2) \frac{8}{36}c + \frac{2}{54} = \frac{2}{18}(\frac{4}{2}c + \frac{1}{3})$$

$$3) \frac{4}{18}d - \frac{4}{63} = \frac{4}{9}(\frac{1}{2}d - \frac{1}{7})$$

$$4) \frac{18}{63}e + \frac{9}{72} = \frac{9}{9}(\frac{2}{7}e + \frac{1}{8})$$

$$5) -\frac{12}{32}f + \frac{21}{16} = \frac{-3}{16}(\frac{4}{2}f - \frac{7}{1})$$

$$6) \frac{4}{72}g + \frac{4}{32} = \frac{4}{8}(\frac{1}{9}g + \frac{1}{4})$$

$$7) -\frac{2}{42}h + \frac{2}{21} = \frac{-2}{21}(\frac{1}{2}h - \frac{1}{1})$$

$$8) -\frac{6}{45}i - \frac{12}{81} = \frac{-6}{9}(\frac{1}{5}i + \frac{2}{9})$$

$$9) \frac{12}{64}j - \frac{9}{72} = \frac{3}{8}(\frac{4}{8}j - \frac{3}{9})$$

$$10) \frac{12}{45}k + \frac{9}{27} = \frac{3}{9}(\frac{4}{5}k + \frac{3}{3})$$

**Answers**

1.  $\frac{4}{14}(\frac{1}{2}b - \frac{2}{1})$

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

3.  $\frac{4}{9}(\frac{1}{2}d - \frac{1}{7})$

4.  $\frac{9}{9}(\frac{2}{7}e + \frac{1}{8})$

5.  $\frac{-3}{16}(\frac{4}{2}f - \frac{7}{1})$

6.  $\frac{4}{8}(\frac{1}{9}g + \frac{1}{4})$

7.  $\frac{-2}{21}(\frac{1}{2}h - \frac{1}{1})$

8.  $\frac{-6}{9}(\frac{1}{5}i + \frac{2}{9})$

9.  $\frac{3}{8}(\frac{4}{8}j - \frac{3}{9})$

10.  $\frac{3}{9}(\frac{4}{5}k + \frac{3}{3})$