



Factor each expression completely.

1)  $\frac{2}{24}b - \frac{10}{16} =$  \_\_\_\_\_

2)  $\frac{3}{18}c + \frac{6}{42} =$  \_\_\_\_\_

3)  $-\frac{4}{18}d - \frac{4}{45} =$  \_\_\_\_\_

4)  $-\frac{12}{45}e + \frac{3}{81} =$  \_\_\_\_\_

5)  $\frac{16}{30}f + \frac{20}{25} =$  \_\_\_\_\_

6)  $\frac{8}{35}g - \frac{12}{35} =$  \_\_\_\_\_

7)  $-\frac{3}{42}h + \frac{6}{56} =$  \_\_\_\_\_

8)  $\frac{4}{20}i - \frac{12}{20} =$  \_\_\_\_\_

9)  $-\frac{3}{72}j + \frac{21}{45} =$  \_\_\_\_\_

10)  $\frac{15}{36}k + \frac{21}{24} =$  \_\_\_\_\_

**Answers**

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

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

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

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

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

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

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

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

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

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



Factor each expression completely.

$$1) \frac{2}{24}b - \frac{10}{16} = \frac{2}{8}(\frac{1}{3}b - \frac{5}{2})$$

$$2) \frac{3}{18}c + \frac{6}{42} = \frac{3}{6}(\frac{1}{3}c + \frac{2}{7})$$

$$3) -\frac{4}{18}d - \frac{4}{45} = \frac{-4}{9}(\frac{1}{2}d + \frac{1}{5})$$

$$4) -\frac{12}{45}e + \frac{3}{81} = \frac{-3}{9}(\frac{4}{5}e - \frac{1}{9})$$

$$5) \frac{16}{30}f + \frac{20}{25} = \frac{4}{5}(\frac{4}{6}f + \frac{5}{5})$$

$$6) \frac{8}{35}g - \frac{12}{35} = \frac{4}{35}(\frac{2}{1}g - \frac{3}{1})$$

$$7) -\frac{3}{42}h + \frac{6}{56} = \frac{-3}{14}(\frac{1}{3}h - \frac{2}{4})$$

$$8) \frac{4}{20}i - \frac{12}{20} = \frac{4}{20}(\frac{1}{1}i - \frac{3}{1})$$

$$9) -\frac{3}{72}j + \frac{21}{45} = \frac{-3}{9}(\frac{1}{8}j - \frac{7}{5})$$

$$10) \frac{15}{36}k + \frac{21}{24} = \frac{3}{12}(\frac{5}{3}k + \frac{7}{2})$$

**Answers**

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

2.  $\frac{3}{6}(\frac{1}{3}c + \frac{2}{7})$

3.  $\frac{-4}{9}(\frac{1}{2}d + \frac{1}{5})$

4.  $\frac{-3}{9}(\frac{4}{5}e - \frac{1}{9})$

5.  $\frac{4}{5}(\frac{4}{6}f + \frac{5}{5})$

6.  $\frac{4}{35}(\frac{2}{1}g - \frac{3}{1})$

7.  $\frac{-3}{14}(\frac{1}{3}h - \frac{2}{4})$

8.  $\frac{4}{20}(\frac{1}{1}i - \frac{3}{1})$

9.  $\frac{-3}{9}(\frac{1}{8}j - \frac{7}{5})$

10.  $\frac{3}{12}(\frac{5}{3}k + \frac{7}{2})$