



Factor each expression completely.

1)  $\frac{12}{45}b - \frac{8}{15} =$  \_\_\_\_\_

2)  $\frac{4}{24}c - \frac{4}{64} =$  \_\_\_\_\_

3)  $\frac{4}{24}d + \frac{2}{40} =$  \_\_\_\_\_

4)  $-\frac{3}{12}e - \frac{3}{24} =$  \_\_\_\_\_

5)  $-\frac{2}{30}f - \frac{8}{54} =$  \_\_\_\_\_

6)  $-\frac{16}{64}g - \frac{4}{32} =$  \_\_\_\_\_

7)  $\frac{6}{56}h - \frac{12}{14} =$  \_\_\_\_\_

8)  $\frac{10}{56}i - \frac{14}{21} =$  \_\_\_\_\_

9)  $\frac{6}{28}j + \frac{3}{56} =$  \_\_\_\_\_

10)  $-\frac{6}{35}k - \frac{6}{21} =$  \_\_\_\_\_

**Answers**

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

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

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

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

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

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

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

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

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

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



Factor each expression completely.

$$1) \frac{12}{45}b - \frac{8}{15} = \frac{4}{15}(\frac{3}{3}b - \frac{2}{1})$$

$$2) \frac{4}{24}c - \frac{4}{64} = \frac{4}{8}(\frac{1}{3}c - \frac{1}{8})$$

$$3) \frac{4}{24}d + \frac{2}{40} = \frac{2}{8}(\frac{2}{3}d + \frac{1}{5})$$

$$4) -\frac{3}{12}e - \frac{3}{24} = \frac{-3}{12}(\frac{1}{1}e + \frac{1}{2})$$

$$5) -\frac{2}{30}f - \frac{8}{54} = \frac{-2}{6}(\frac{1}{5}f + \frac{4}{9})$$

$$6) -\frac{16}{64}g - \frac{4}{32} = \frac{-4}{32}(\frac{4}{2}g + \frac{1}{1})$$

$$7) \frac{6}{56}h - \frac{12}{14} = \frac{6}{14}(\frac{1}{4}h - \frac{2}{1})$$

$$8) \frac{10}{56}i - \frac{14}{21} = \frac{2}{7}(\frac{5}{8}i - \frac{7}{3})$$

$$9) \frac{6}{28}j + \frac{3}{56} = \frac{3}{28}(\frac{2}{1}j + \frac{1}{2})$$

$$10) -\frac{6}{35}k - \frac{6}{21} = \frac{-6}{7}(\frac{1}{5}k + \frac{1}{3})$$

**Answers**

1.  $\frac{4}{15}(\frac{3}{3}b - \frac{2}{1})$

2.  $\frac{4}{8}(\frac{1}{3}c - \frac{1}{8})$

3.  $\frac{2}{8}(\frac{2}{3}d + \frac{1}{5})$

4.  $\frac{-3}{12}(\frac{1}{1}e + \frac{1}{2})$

5.  $\frac{-2}{6}(\frac{1}{5}f + \frac{4}{9})$

6.  $\frac{-4}{32}(\frac{4}{2}g + \frac{1}{1})$

7.  $\frac{6}{14}(\frac{1}{4}h - \frac{2}{1})$

8.  $\frac{2}{7}(\frac{5}{8}i - \frac{7}{3})$

9.  $\frac{3}{28}(\frac{2}{1}j + \frac{1}{2})$

10.  $\frac{-6}{7}(\frac{1}{5}k + \frac{1}{3})$