



Factor each expression completely.

1)  $\frac{20}{40}b - \frac{16}{20} =$  \_\_\_\_\_

2)  $-\frac{8}{15}c - \frac{4}{15} =$  \_\_\_\_\_

3)  $\frac{12}{48}d + \frac{9}{16} =$  \_\_\_\_\_

4)  $-\frac{12}{40}e - \frac{14}{10} =$  \_\_\_\_\_

5)  $-\frac{15}{56}f + \frac{15}{56} =$  \_\_\_\_\_

6)  $\frac{6}{56}g + \frac{2}{40} =$  \_\_\_\_\_

7)  $\frac{21}{54}h - \frac{3}{18} =$  \_\_\_\_\_

8)  $\frac{4}{40}i + \frac{28}{35} =$  \_\_\_\_\_

9)  $-\frac{9}{72}j - \frac{18}{72} =$  \_\_\_\_\_

10)  $\frac{16}{36}k + \frac{6}{12} =$  \_\_\_\_\_

**Answers**

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

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

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

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

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

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

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

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

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

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



Factor each expression completely.

$$1) \frac{20}{40}b - \frac{16}{20} = \frac{4}{20}(\frac{5}{2}b - \frac{4}{1})$$

$$2) -\frac{8}{15}c - \frac{4}{15} = \frac{-4}{15}(\frac{2}{1}c + \frac{1}{1})$$

$$3) \frac{12}{48}d + \frac{9}{16} = \frac{3}{16}(\frac{4}{3}d + \frac{3}{1})$$

$$4) -\frac{12}{40}e - \frac{14}{10} = \frac{-2}{10}(\frac{6}{4}e + \frac{7}{1})$$

$$5) -\frac{15}{56}f + \frac{15}{56} = \frac{-15}{56}(\frac{1}{1}f - \frac{1}{1})$$

$$6) \frac{6}{56}g + \frac{2}{40} = \frac{2}{8}(\frac{3}{7}g + \frac{1}{5})$$

$$7) \frac{21}{54}h - \frac{3}{18} = \frac{3}{18}(\frac{7}{3}h - \frac{1}{1})$$

$$8) \frac{4}{40}i + \frac{28}{35} = \frac{4}{5}(\frac{1}{8}i + \frac{7}{7})$$

$$9) -\frac{9}{72}j - \frac{18}{72} = \frac{-9}{72}(\frac{1}{1}j + \frac{2}{1})$$

$$10) \frac{16}{36}k + \frac{6}{12} = \frac{2}{12}(\frac{8}{3}k + \frac{3}{1})$$

**Answers**

1.  $\frac{4}{20}(\frac{5}{2}b - \frac{4}{1})$

2.  $\frac{-4}{15}(\frac{2}{1}c + \frac{1}{1})$

3.  $\frac{3}{16}(\frac{4}{3}d + \frac{3}{1})$

4.  $\frac{-2}{10}(\frac{6}{4}e + \frac{7}{1})$

5.  $\frac{-15}{56}(\frac{1}{1}f - \frac{1}{1})$

6.  $\frac{2}{8}(\frac{3}{7}g + \frac{1}{5})$

7.  $\frac{3}{18}(\frac{7}{3}h - \frac{1}{1})$

8.  $\frac{4}{5}(\frac{1}{8}i + \frac{7}{7})$

9.  $\frac{-9}{72}(\frac{1}{1}j + \frac{2}{1})$

10.  $\frac{2}{12}(\frac{8}{3}k + \frac{3}{1})$