



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