



Factor each expression completely.

1) $\frac{21}{64}b + \frac{12}{32} =$ _____

2) $-\frac{8}{64}c - \frac{16}{64} =$ _____

3) $-\frac{18}{45}d - \frac{9}{40} =$ _____

4) $\frac{2}{20}e + \frac{2}{10} =$ _____

5) $\frac{3}{16}f - \frac{3}{16} =$ _____

6) $-\frac{12}{54}g - \frac{14}{54} =$ _____

7) $\frac{3}{27}h - \frac{3}{18} =$ _____

8) $\frac{3}{12}i + \frac{3}{36} =$ _____

9) $\frac{16}{48}j - \frac{12}{40} =$ _____

10) $-\frac{4}{36}k + \frac{4}{18} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \frac{21}{64}b + \frac{12}{32} = \frac{3}{32}(\frac{7}{2}b + \frac{4}{1})$$

$$2) -\frac{8}{64}c - \frac{16}{64} = \frac{-8}{64}(\frac{1}{1}c + \frac{2}{1})$$

$$3) -\frac{18}{45}d - \frac{9}{40} = \frac{-9}{5}(\frac{2}{9}d + \frac{1}{8})$$

$$4) \frac{2}{20}e + \frac{2}{10} = \frac{2}{10}(\frac{1}{2}e + \frac{1}{1})$$

$$5) \frac{3}{16}f - \frac{3}{16} = \frac{3}{16}(\frac{1}{1}f - \frac{1}{1})$$

$$6) -\frac{12}{54}g - \frac{14}{54} = \frac{-2}{54}(\frac{6}{1}g + \frac{7}{1})$$

$$7) \frac{3}{27}h - \frac{3}{18} = \frac{3}{9}(\frac{1}{3}h - \frac{1}{2})$$

$$8) \frac{3}{12}i + \frac{3}{36} = \frac{3}{12}(\frac{1}{1}i + \frac{1}{3})$$

$$9) \frac{16}{48}j - \frac{12}{40} = \frac{4}{8}(\frac{4}{6}j - \frac{3}{5})$$

$$10) -\frac{4}{36}k + \frac{4}{18} = \frac{-4}{18}(\frac{1}{2}k - \frac{1}{1})$$

Answers

1. $\frac{3}{32}(\frac{7}{2}b + \frac{4}{1})$

2. $\frac{-8}{64}(\frac{1}{1}c + \frac{2}{1})$

3. $\frac{-9}{5}(\frac{2}{9}d + \frac{1}{8})$

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

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

6. $\frac{-2}{54}(\frac{6}{1}g + \frac{7}{1})$

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

8. $\frac{3}{12}(\frac{1}{1}i + \frac{1}{3})$

9. $\frac{4}{8}(\frac{4}{6}j - \frac{3}{5})$

10. $\frac{-4}{18}(\frac{1}{2}k - \frac{1}{1})$