



Factor each expression completely.

1) $\frac{9}{35}b + \frac{9}{28} = \underline{\hspace{2cm}} (\hspace{0.5cm} b + \hspace{0.5cm})$

2) $-\frac{12}{45}c + \frac{9}{72} = \underline{\hspace{2cm}} (\hspace{0.5cm} c - \hspace{0.5cm})$

3) $-\frac{6}{35}d + \frac{12}{40} = \underline{\hspace{2cm}} (\hspace{0.5cm} d - \hspace{0.5cm})$

4) $-\frac{8}{35}e + \frac{2}{30} = \underline{\hspace{2cm}} (\hspace{0.5cm} e - \hspace{0.5cm})$

5) $\frac{4}{30}f + \frac{2}{36} = \underline{\hspace{2cm}} (\hspace{0.5cm} f + \hspace{0.5cm})$

6) $\frac{4}{21}g + \frac{2}{56} = \underline{\hspace{2cm}} (\hspace{0.5cm} g + \hspace{0.5cm})$

7) $\frac{6}{32}h + \frac{2}{56} = \underline{\hspace{2cm}} (\hspace{0.5cm} h + \hspace{0.5cm})$

8) $-\frac{4}{18}i - \frac{8}{30} = \underline{\hspace{2cm}} (\hspace{0.5cm} i + \hspace{0.5cm})$

9) $\frac{4}{27}j - \frac{2}{36} = \underline{\hspace{2cm}} (\hspace{0.5cm} j - \hspace{0.5cm})$

10) $\frac{8}{27}k + \frac{8}{81} = \underline{\hspace{2cm}} (\hspace{0.5cm} k + \hspace{0.5cm})$

Answers

1. $\underline{\hspace{2cm}} (\hspace{0.5cm} b + \hspace{0.5cm})$

2. $\underline{\hspace{2cm}} (\hspace{0.5cm} c - \hspace{0.5cm})$

3. $\underline{\hspace{2cm}} (\hspace{0.5cm} d - \hspace{0.5cm})$

4. $\underline{\hspace{2cm}} (\hspace{0.5cm} e - \hspace{0.5cm})$

5. $\underline{\hspace{2cm}} (\hspace{0.5cm} f + \hspace{0.5cm})$

6. $\underline{\hspace{2cm}} (\hspace{0.5cm} g + \hspace{0.5cm})$

7. $\underline{\hspace{2cm}} (\hspace{0.5cm} h + \hspace{0.5cm})$

8. $\underline{\hspace{2cm}} (\hspace{0.5cm} i + \hspace{0.5cm})$

9. $\underline{\hspace{2cm}} (\hspace{0.5cm} j - \hspace{0.5cm})$

10. $\underline{\hspace{2cm}} (\hspace{0.5cm} k + \hspace{0.5cm})$



Factor each expression completely.

$$1) \frac{9}{35}b + \frac{9}{28} = \underline{\frac{9}{7}\left(\frac{1}{5}b + \frac{1}{4}\right)}$$

$$2) -\frac{12}{45}c + \frac{9}{72} = \underline{-\frac{3}{9}\left(\frac{4}{5}c - \frac{3}{8}\right)}$$

$$3) -\frac{6}{35}d + \frac{12}{40} = \underline{-\frac{6}{5}\left(\frac{1}{7}d - \frac{2}{8}\right)}$$

$$4) -\frac{8}{35}e + \frac{2}{30} = \underline{-\frac{2}{5}\left(\frac{4}{7}e - \frac{1}{6}\right)}$$

$$5) \frac{4}{30}f + \frac{2}{36} = \underline{\frac{2}{6}\left(\frac{2}{5}f + \frac{1}{6}\right)}$$

$$6) \frac{4}{21}g + \frac{2}{56} = \underline{\frac{2}{7}\left(\frac{2}{3}g + \frac{1}{8}\right)}$$

$$7) \frac{6}{32}h + \frac{2}{56} = \underline{\frac{2}{8}\left(\frac{3}{4}h + \frac{1}{7}\right)}$$

$$8) -\frac{4}{18}i - \frac{8}{30} = \underline{-\frac{4}{6}\left(\frac{1}{3}i + \frac{2}{5}\right)}$$

$$9) \frac{4}{27}j - \frac{2}{36} = \underline{\frac{2}{9}\left(\frac{2}{3}j - \frac{1}{4}\right)}$$

$$10) \frac{8}{27}k + \frac{8}{81} = \underline{\frac{8}{27}\left(\frac{1}{1}k + \frac{1}{3}\right)}$$

Answers

$$1. \underline{\frac{9}{7}\left(\frac{1}{5}b + \frac{1}{4}\right)}$$

$$2. \underline{-\frac{3}{9}\left(\frac{4}{5}c - \frac{3}{8}\right)}$$

$$3. \underline{-\frac{6}{5}\left(\frac{1}{7}d - \frac{2}{8}\right)}$$

$$4. \underline{-\frac{2}{5}\left(\frac{4}{7}e - \frac{1}{6}\right)}$$

$$5. \underline{\frac{2}{6}\left(\frac{2}{5}f + \frac{1}{6}\right)}$$

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

$$7. \underline{\frac{2}{8}\left(\frac{3}{4}h + \frac{1}{7}\right)}$$

$$8. \underline{-\frac{4}{6}\left(\frac{1}{3}i + \frac{2}{5}\right)}$$

$$9. \underline{\frac{2}{9}\left(\frac{2}{3}j - \frac{1}{4}\right)}$$

$$10. \underline{\frac{8}{27}\left(\frac{1}{1}k + \frac{1}{3}\right)}$$