

Factoring Expressions

Name: _____

Factor each expression completely.

1) $\frac{12}{40}B + \frac{3}{64} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

2) $\frac{4}{16}C + \frac{4}{32} =$ _____

3) $-\frac{4}{21}D + \frac{8}{49} =$ _____

4) $-\frac{6}{32}E - \frac{3}{72} =$ _____

5) $\frac{4}{18}F - \frac{4}{45} =$ _____

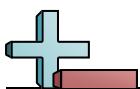
6) $\frac{6}{24}G + \frac{2}{8} =$ _____

7) $-\frac{12}{36}H - \frac{4}{36} =$ _____

8) $-\frac{8}{28}I - \frac{4}{56} =$ _____

9) $\frac{6}{24}J + \frac{3}{24} =$ _____

10) $\frac{2}{36}K + \frac{2}{48} =$ _____



Factor each expression completely.

1) $\frac{12}{40}B + \frac{3}{64} = \underline{\underline{\frac{3}{8}(\frac{4}{5}B + \frac{1}{8})}}$

2) $\frac{4}{16}C + \frac{4}{32} = \underline{\underline{\frac{4}{16}(\frac{1}{1}C + \frac{1}{2})}}$

3) $-\frac{4}{21}D + \frac{8}{49} = \underline{\underline{-\frac{4}{7}(\frac{1}{3}D - \frac{2}{7})}}$

4) $-\frac{6}{32}E - \frac{3}{72} = \underline{\underline{-\frac{3}{8}(\frac{2}{4}E + \frac{1}{9})}}$

5) $\frac{4}{18}F - \frac{4}{45} = \underline{\underline{\frac{4}{9}(\frac{1}{2}F - \frac{1}{5})}}$

6) $\frac{6}{24}G + \frac{2}{8} = \underline{\underline{\frac{2}{8}(\frac{3}{3}G + \frac{1}{1})}}$

7) $-\frac{12}{36}H - \frac{4}{36} = \underline{\underline{-\frac{4}{36}(\frac{3}{1}H + \frac{1}{1})}}$

8) $-\frac{8}{28}I - \frac{4}{56} = \underline{\underline{-\frac{4}{28}(\frac{2}{1}I + \frac{1}{2})}}$

9) $\frac{6}{24}J + \frac{3}{24} = \underline{\underline{\frac{3}{24}(\frac{2}{1}J + \frac{1}{1})}}$

10) $\frac{2}{36}K + \frac{2}{48} = \underline{\underline{\frac{2}{12}(\frac{1}{3}K + \frac{1}{4})}}$

Answers

1. $\frac{3}{8}(\frac{4}{5}B + \frac{1}{8})$

2. $\frac{4}{16}(\frac{1}{1}C + \frac{1}{2})$

3. $-\frac{4}{7}(\frac{1}{3}D - \frac{2}{7})$

4. $-\frac{3}{8}(\frac{2}{4}E + \frac{1}{9})$

5. $\frac{4}{9}(\frac{1}{2}F - \frac{1}{5})$

6. $\frac{2}{8}(\frac{3}{3}G + \frac{1}{1})$

7. $-\frac{4}{36}(\frac{3}{1}H + \frac{1}{1})$

8. $-\frac{4}{28}(\frac{2}{1}I + \frac{1}{2})$

9. $\frac{3}{24}(\frac{2}{1}J + \frac{1}{1})$

10. $\frac{2}{12}(\frac{1}{3}K + \frac{1}{4})$