Factoring Expressions Name:

**Factor each expression completely.**

**1)** $\frac{9}{28}\,B - \frac{3}{35} =$ _____

**2)** $\frac{24}{81}\,C - \frac{32}{63} =$ _____

**3)** $\frac{2}{12}\,D + \frac{2}{36} =$ _____

**4)** $\frac{6}{48}\,E + \frac{15}{36} =$ _____

**5)** $-\frac{4}{42}\,F - \frac{4}{21} =$ _____

**6)** $-\frac{8}{24}\,G - \frac{4}{48} =$ _____

**7)** $\frac{12}{63}\,H - \frac{6}{27} =$ _____

**8)** $-\frac{3}{8}\,I - \frac{3}{16} =$ _____

**9)** $-\frac{8}{25}\,J + \frac{16}{30} =$ _____

**10)** $\frac{12}{48}\,K + \frac{4}{24} =$ _____

**Answers**

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

Factoring Expressions Name: **Answer Key**

**Factor each expression completely.**

**1)** $\frac{9}{28}B - \frac{3}{35} = {}^{3}\!/_{7}({}^{3}\!/_{4}B - {}^{1}\!/_{5})$

**2)** $\frac{24}{81}C - \frac{32}{63} = {}^{8}\!/_{9}({}^{3}\!/_{9}C - {}^{4}\!/_{7})$

**3)** $\frac{2}{12}D + \frac{2}{36} = {}^{2}\!/_{12}({}^{1}\!/_{1}D + {}^{1}\!/_{3})$

**4)** $\frac{6}{48}E + \frac{15}{36} = {}^{3}\!/_{12}({}^{2}\!/_{4}E + {}^{5}\!/_{3})$

**5)** $-\frac{4}{42}F - \frac{4}{21} = -{}^{4}\!/_{21}({}^{1}\!/_{2}F + {}^{1}\!/_{1})$

**6)** $-\frac{8}{24}G - \frac{4}{48} = -{}^{4}\!/_{24}({}^{2}\!/_{1}G + {}^{1}\!/_{2})$

**7)** $\frac{12}{63}H - \frac{6}{27} = {}^{6}\!/_{9}({}^{2}\!/_{7}H - {}^{1}\!/_{3})$

**8)** $-\frac{3}{8}I - \frac{3}{16} = -{}^{3}\!/_{8}({}^{1}\!/_{1}I + {}^{1}\!/_{2})$

**9)** $-\frac{8}{25}J + \frac{16}{30} = -{}^{8}\!/_{5}({}^{1}\!/_{5}J - {}^{2}\!/_{6})$

**10)** $\frac{12}{48}K + \frac{4}{24} = {}^{4}\!/_{24}({}^{3}\!/_{2}K + {}^{1}\!/_{1})$

**Answers**

1. ${}^{3}\!/_{7}({}^{3}\!/_{4}B - {}^{1}\!/_{5})$
2. ${}^{8}\!/_{9}({}^{3}\!/_{9}C - {}^{4}\!/_{7})$
3. ${}^{2}\!/_{12}({}^{1}\!/_{1}D + {}^{1}\!/_{3})$
4. ${}^{3}\!/_{12}({}^{2}\!/_{4}E + {}^{5}\!/_{3})$
5. $-{}^{4}\!/_{21}({}^{1}\!/_{2}F + {}^{1}\!/_{1})$
6. $-{}^{4}\!/_{24}({}^{2}\!/_{1}G + {}^{1}\!/_{2})$
7. ${}^{6}\!/_{9}({}^{2}\!/_{7}H - {}^{1}\!/_{3})$
8. $-{}^{3}\!/_{8}({}^{1}\!/_{1}I + {}^{1}\!/_{2})$
9. $-{}^{8}\!/_{5}({}^{1}\!/_{5}J - {}^{2}\!/_{6})$
10. ${}^{4}\!/_{24}({}^{3}\!/_{2}K + {}^{1}\!/_{1})$



| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|