



Factor each expression completely.

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

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

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

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

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

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

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

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

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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

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

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

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

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

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

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

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

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

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

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

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