



Expand each expression.

1)  $-\frac{4}{7}\left(-\frac{3}{7}b - \frac{6}{8}\right)$

2)  $-\frac{4}{9}\left(-\frac{3}{6}c - \frac{2}{2}\right)$

3)  $-\frac{2}{6}\left(-\frac{1}{4}d - \frac{1}{6}\right)$

4)  $-\frac{4}{6}\left(\frac{2}{8}e + \frac{6}{9}\right)$

5)  $\frac{4}{9}\left(\frac{2}{4}f + \frac{3}{9}\right)$

6)  $\frac{3}{7}\left(\frac{4}{7}g + \frac{6}{3}\right)$

7)  $-\frac{4}{9}\left(\frac{1}{4}h + \frac{1}{4}\right)$

8)  $\frac{4}{5}\left(\frac{5}{8}i + \frac{6}{5}\right)$

9)  $-\frac{3}{5}\left(-\frac{1}{2}j - \frac{1}{7}\right)$

10)  $-\frac{4}{9}\left(\frac{2}{5}k + \frac{3}{6}\right)$

11)  $\frac{4}{9}\left(\frac{2}{5}m + \frac{1}{5}\right)$

12)  $-\frac{4}{9}\left(\frac{1}{3}n - \frac{2}{4}\right)$

13)  $\frac{2}{9}\left(\frac{1}{9}p - \frac{8}{8}\right)$

14)  $-\frac{2}{6}\left(-\frac{1}{9}r - \frac{7}{4}\right)$

15)  $-\frac{2}{4}\left(\frac{1}{4}t + \frac{1}{8}\right)$

16)  $\frac{2}{4}\left(\frac{1}{3}u - \frac{2}{7}\right)$

17)  $\frac{2}{5}\left(\frac{3}{6}v + \frac{3}{4}\right)$

18)  $\frac{2}{4}\left(\frac{5}{6}w + \frac{3}{5}\right)$

19)  $-\frac{3}{9}\left(-\frac{1}{3}y - \frac{2}{8}\right)$

20)  $\frac{4}{6}\left(\frac{1}{4}z + \frac{2}{3}\right)$

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_



Expand each expression.

1)  $-\frac{4}{7}\left(-\frac{3}{7}b - \frac{6}{8}\right)$

2)  $-\frac{4}{9}\left(-\frac{3}{6}c - \frac{2}{2}\right)$

3)  $-\frac{2}{6}\left(-\frac{1}{4}d - \frac{1}{6}\right)$

4)  $-\frac{4}{6}\left(\frac{2}{8}e + \frac{6}{9}\right)$

5)  $\frac{4}{9}\left(\frac{2}{4}f + \frac{3}{9}\right)$

6)  $\frac{3}{7}\left(\frac{4}{7}g + \frac{6}{3}\right)$

7)  $-\frac{4}{9}\left(\frac{1}{4}h + \frac{1}{4}\right)$

8)  $\frac{4}{5}\left(\frac{5}{8}i + \frac{6}{5}\right)$

9)  $-\frac{3}{5}\left(-\frac{1}{2}j - \frac{1}{7}\right)$

10)  $-\frac{4}{9}\left(\frac{2}{5}k + \frac{3}{6}\right)$

11)  $\frac{4}{9}\left(\frac{2}{5}m + \frac{1}{5}\right)$

12)  $-\frac{4}{9}\left(\frac{1}{3}n - \frac{2}{4}\right)$

13)  $\frac{2}{9}\left(\frac{1}{9}p - \frac{8}{8}\right)$

14)  $-\frac{2}{6}\left(-\frac{1}{9}r - \frac{7}{4}\right)$

15)  $-\frac{2}{4}\left(\frac{1}{4}t + \frac{1}{8}\right)$

16)  $\frac{2}{4}\left(\frac{1}{3}u - \frac{2}{7}\right)$

17)  $\frac{2}{5}\left(\frac{3}{6}v + \frac{3}{4}\right)$

18)  $\frac{2}{4}\left(\frac{5}{6}w + \frac{3}{5}\right)$

19)  $-\frac{3}{9}\left(-\frac{1}{3}y - \frac{2}{8}\right)$

20)  $\frac{4}{6}\left(\frac{1}{4}z + \frac{2}{3}\right)$

**Answers**

1.  $\frac{12}{49}b + \frac{24}{56}$

2.  $\frac{12}{54}c + \frac{8}{18}$

3.  $\frac{2}{24}d + \frac{2}{36}$

4.  $-\frac{8}{48}e - \frac{24}{54}$

5.  $\frac{8}{36}f + \frac{12}{81}$

6.  $\frac{12}{49}g + \frac{18}{21}$

7.  $-\frac{4}{36}h - \frac{4}{36}$

8.  $\frac{20}{40}i + \frac{24}{25}$

9.  $\frac{3}{10}j + \frac{3}{35}$

10.  $-\frac{8}{45}k - \frac{12}{54}$

11.  $\frac{8}{45}m + \frac{4}{45}$

12.  $-\frac{4}{27}n + \frac{8}{36}$

13.  $\frac{2}{81}p - \frac{16}{72}$

14.  $\frac{2}{54}r + \frac{14}{24}$

15.  $-\frac{2}{16}t - \frac{2}{32}$

16.  $\frac{2}{12}u - \frac{4}{28}$

17.  $\frac{6}{30}v + \frac{6}{20}$

18.  $\frac{10}{24}w + \frac{6}{20}$

19.  $\frac{3}{27}y + \frac{6}{72}$

20.  $\frac{4}{24}z + \frac{8}{18}$