



Expand each expression.

1)  $-\frac{4}{5}\left(\frac{1}{2}b + \frac{1}{5}\right)$

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

3)  $\frac{2}{5}\left(\frac{2}{5}d + \frac{1}{4}\right)$

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

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

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

7)  $-\frac{3}{7}\left(-\frac{3}{9}h - \frac{7}{8}\right)$

8)  $\frac{3}{7}\left(\frac{1}{2}i + \frac{1}{7}\right)$

9)  $\frac{3}{5}\left(\frac{2}{4}j + \frac{3}{7}\right)$

10)  $\frac{3}{8}\left(\frac{1}{6}k + \frac{2}{3}\right)$

11)  $-\frac{2}{3}\left(-\frac{7}{8}m - \frac{2}{7}\right)$

12)  $-\frac{4}{8}\left(-\frac{1}{4}n - \frac{2}{2}\right)$

13)  $-\frac{3}{9}\left(-\frac{2}{4}p - \frac{1}{9}\right)$

14)  $-\frac{2}{9}\left(\frac{4}{5}r + \frac{3}{2}\right)$

15)  $\frac{2}{7}\left(\frac{1}{4}t - \frac{3}{4}\right)$

16)  $\frac{4}{9}\left(\frac{2}{4}u - \frac{3}{3}\right)$

17)  $-\frac{3}{6}\left(\frac{1}{8}v - \frac{5}{4}\right)$

18)  $\frac{3}{6}\left(\frac{2}{4}w - \frac{1}{7}\right)$

19)  $\frac{4}{8}\left(\frac{1}{3}y - \frac{1}{5}\right)$

20)  $-\frac{2}{4}\left(\frac{2}{4}z + \frac{2}{4}\right)$

**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)  $-\frac{4}{5}\left(\frac{1}{2}b + \frac{1}{5}\right)$

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

3)  $\frac{2}{5}\left(\frac{2}{5}d + \frac{1}{4}\right)$

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

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

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

7)  $-\frac{3}{7}\left(-\frac{3}{9}h - \frac{7}{8}\right)$

8)  $\frac{3}{7}\left(\frac{1}{2}i + \frac{1}{7}\right)$

9)  $\frac{3}{5}\left(\frac{2}{4}j + \frac{3}{7}\right)$

10)  $\frac{3}{8}\left(\frac{1}{6}k + \frac{2}{3}\right)$

11)  $-\frac{2}{3}\left(-\frac{7}{8}m - \frac{2}{7}\right)$

12)  $-\frac{4}{8}\left(-\frac{1}{4}n - \frac{2}{2}\right)$

13)  $-\frac{3}{9}\left(-\frac{2}{4}p - \frac{1}{9}\right)$

14)  $-\frac{2}{9}\left(\frac{4}{5}r + \frac{3}{2}\right)$

15)  $\frac{2}{7}\left(\frac{1}{4}t - \frac{3}{4}\right)$

16)  $\frac{4}{9}\left(\frac{2}{4}u - \frac{3}{3}\right)$

17)  $-\frac{3}{6}\left(\frac{1}{8}v - \frac{5}{4}\right)$

18)  $\frac{3}{6}\left(\frac{2}{4}w - \frac{1}{7}\right)$

19)  $\frac{4}{8}\left(\frac{1}{3}y - \frac{1}{5}\right)$

20)  $-\frac{2}{4}\left(\frac{2}{4}z + \frac{2}{4}\right)$

**Answers**

1.  $-\frac{4}{10}b - \frac{4}{25}$

2.  $\frac{4}{18}c + \frac{8}{18}$

3.  $\frac{4}{25}d + \frac{2}{20}$

4.  $-\frac{12}{54}e + \frac{16}{54}$

5.  $\frac{3}{18}f + \frac{3}{45}$

6.  $-\frac{12}{54}g + \frac{16}{18}$

7.  $\frac{9}{63}h + \frac{21}{56}$

8.  $\frac{3}{14}i + \frac{3}{49}$

9.  $\frac{6}{20}j + \frac{9}{35}$

10.  $\frac{3}{48}k + \frac{6}{24}$

11.  $\frac{14}{24}m + \frac{4}{21}$

12.  $\frac{4}{32}n + \frac{8}{16}$

13.  $\frac{6}{36}p + \frac{3}{81}$

14.  $-\frac{8}{45}r - \frac{6}{18}$

15.  $\frac{2}{28}t - \frac{6}{28}$

16.  $\frac{8}{36}u - \frac{12}{27}$

17.  $-\frac{3}{48}v + \frac{15}{24}$

18.  $\frac{6}{24}w - \frac{3}{42}$

19.  $\frac{4}{24}y - \frac{4}{40}$

20.  $-\frac{4}{16}z - \frac{4}{16}$