



Expand each expression.

1)  $-\frac{4}{7}\left(-\frac{1}{2b}-\frac{1}{9}\right)$

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

3)  $-\frac{2}{8}\left(\frac{6}{9d}+\frac{2}{7}\right)$

4)  $-\frac{4}{5}\left(-\frac{2}{4e}-\frac{2}{3}\right)$

5)  $-\frac{3}{6}\left(\frac{7}{9f}-\frac{1}{9}\right)$

6)  $\frac{4}{6}\left(\frac{2}{8g}+\frac{1}{8}\right)$

7)  $-\frac{3}{8}\left(\frac{5}{8h}-\frac{3}{7}\right)$

8)  $-\frac{4}{6}\left(-\frac{2}{5j}-\frac{2}{6}\right)$

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

10)  $\frac{3}{4}\left(\frac{1}{3m}-\frac{2}{3}\right)$

11)  $-\frac{2}{8}\left(-\frac{4}{5n}-\frac{3}{9}\right)$

12)  $\frac{3}{6}\left(\frac{1}{4p}+\frac{3}{7}\right)$

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

14)  $-\frac{4}{8}\left(\frac{1}{3r}+\frac{1}{7}\right)$

15)  $-\frac{3}{4}\left(\frac{3}{9t}-\frac{8}{4}\right)$

16)  $-\frac{2}{4}\left(\frac{2}{3u}-\frac{2}{8}\right)$

17)  $\frac{3}{8}\left(\frac{1}{2v}-\frac{1}{9}\right)$

18)  $\frac{3}{8}\left(\frac{5}{8w}+\frac{1}{6}\right)$

19)  $\frac{3}{5}\left(\frac{3}{9x}+\frac{2}{9}\right)$

20)  $-\frac{3}{5}\left(-\frac{4}{6y}-\frac{3}{8}\right)$

Answers

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

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

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

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

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

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

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

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

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



Expand each expression.

1)  $-\frac{4}{7}\left(-\frac{1}{2}b - \frac{1}{9}\right)$

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

3)  $-\frac{2}{8}\left(\frac{6}{9}d + \frac{2}{7}\right)$

4)  $-\frac{4}{5}\left(-\frac{2}{4}e - \frac{2}{3}\right)$

5)  $-\frac{3}{6}\left(\frac{7}{9}f - \frac{1}{9}\right)$

6)  $\frac{4}{6}\left(\frac{2}{8}g + \frac{1}{8}\right)$

7)  $-\frac{3}{8}\left(\frac{5}{8}h - \frac{3}{7}\right)$

8)  $-\frac{4}{6}\left(-\frac{2}{5}j - \frac{2}{6}\right)$

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

10)  $\frac{3}{4}\left(\frac{1}{3}m - \frac{2}{3}\right)$

11)  $-\frac{2}{8}\left(-\frac{4}{5}n - \frac{3}{9}\right)$

12)  $\frac{3}{6}\left(\frac{1}{4}p + \frac{3}{7}\right)$

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

14)  $-\frac{4}{8}\left(\frac{1}{3}r + \frac{1}{7}\right)$

15)  $-\frac{3}{4}\left(\frac{3}{9}t - \frac{8}{4}\right)$

16)  $-\frac{2}{4}\left(\frac{2}{3}u - \frac{2}{8}\right)$

17)  $\frac{3}{8}\left(\frac{1}{2}v - \frac{1}{9}\right)$

18)  $\frac{3}{8}\left(\frac{5}{8}w + \frac{1}{6}\right)$

19)  $\frac{3}{5}\left(\frac{3}{9}x + \frac{2}{9}\right)$

20)  $-\frac{3}{5}\left(-\frac{4}{6}y - \frac{3}{8}\right)$

**Answers**

1.  $\frac{4}{14}b + \frac{4}{63}$

2.  $\frac{15}{49}c + \frac{12}{14}$

3.  $-\frac{12}{72}d - \frac{4}{56}$

4.  $\frac{8}{20}e + \frac{8}{15}$

5.  $-\frac{21}{54}f + \frac{3}{54}$

6.  $\frac{8}{48}g + \frac{4}{48}$

7.  $-\frac{15}{64}h + \frac{9}{56}$

8.  $\frac{8}{30}j + \frac{8}{36}$

9.  $-\frac{18}{54}k - \frac{15}{18}$

10.  $\frac{3}{12}m - \frac{6}{12}$

11.  $\frac{8}{40}n + \frac{6}{72}$

12.  $\frac{3}{24}p + \frac{9}{42}$

13.  $\frac{2}{36}q - \frac{6}{27}$

14.  $-\frac{4}{24}r - \frac{4}{56}$

15.  $-\frac{9}{36}t + \frac{24}{16}$

16.  $-\frac{4}{12}u + \frac{4}{32}$

17.  $\frac{3}{16}v - \frac{3}{72}$

18.  $\frac{15}{64}w + \frac{3}{48}$

19.  $\frac{9}{45}x + \frac{6}{45}$

20.  $\frac{12}{30}y + \frac{9}{40}$