



Expand each expression.

1) $-\frac{2}{9}\left(\frac{1}{2}b + \frac{1}{3}\right)$

2) $\frac{2}{8}\left(\frac{1}{9}c + \frac{6}{7}\right)$

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

4) $-\frac{3}{5}\left(-\frac{1}{2}e - \frac{1}{7}\right)$

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

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

7) $-\frac{4}{5}\left(\frac{1}{5}h + \frac{1}{8}\right)$

8) $-\frac{4}{6}\left(\frac{2}{4}j + \frac{2}{7}\right)$

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

10) $-\frac{2}{7}\left(-\frac{1}{3}m - \frac{1}{5}\right)$

11) $\frac{2}{4}\left(\frac{6}{7}n + \frac{6}{4}\right)$

12) $-\frac{2}{6}\left(\frac{5}{9}p - \frac{7}{9}\right)$

13) $-\frac{4}{6}\left(\frac{3}{6}q - \frac{5}{3}\right)$

14) $-\frac{3}{5}\left(-\frac{5}{6}r - \frac{2}{4}\right)$

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

16) $\frac{3}{8}\left(\frac{2}{3}u + \frac{1}{8}\right)$

17) $-\frac{3}{5}\left(\frac{2}{3}v + \frac{1}{3}\right)$

18) $-\frac{4}{7}\left(-\frac{1}{3}w - \frac{1}{9}\right)$

19) $-\frac{2}{7}\left(\frac{1}{7}x + \frac{1}{2}\right)$

20) $-\frac{4}{5}\left(-\frac{1}{7}y - \frac{6}{4}\right)$

Answers

1. _____

2. _____

3. _____

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20) $-\frac{4}{5}\left(-\frac{1}{7}y - \frac{6}{4}\right)$

Answers

1. $-\frac{2}{18}b - \frac{2}{27}$

2. $\frac{2}{72}c + \frac{12}{56}$

3. $\frac{2}{24}d + \frac{2}{56}$

4. $\frac{3}{10}e + \frac{3}{35}$

5. $-\frac{12}{25}f + \frac{16}{45}$

6. $-\frac{2}{8}g + \frac{2}{24}$

7. $-\frac{4}{25}h - \frac{4}{40}$

8. $-\frac{8}{24}j - \frac{8}{42}$

9. $\frac{8}{15}k - \frac{8}{15}$

10. $\frac{2}{21}m + \frac{2}{35}$

11. $\frac{12}{28}n + \frac{12}{16}$

12. $-\frac{10}{54}p + \frac{14}{54}$

13. $-\frac{12}{36}q + \frac{20}{18}$

14. $\frac{15}{30}r + \frac{6}{20}$

15. $-\frac{12}{45}t - \frac{12}{10}$

16. $\frac{6}{24}u + \frac{3}{64}$

17. $-\frac{6}{15}v - \frac{3}{15}$

18. $\frac{4}{21}w + \frac{4}{63}$

19. $-\frac{2}{49}x - \frac{2}{14}$

20. $\frac{4}{35}y + \frac{24}{20}$