



Expand each expression.

1) $-\frac{4}{9}\left(\frac{3}{4}b - \frac{1}{4}\right)$

2) $\frac{3}{9}\left(\frac{1}{2}c + \frac{1}{5}\right)$

3) $\frac{3}{9}\left(\frac{6}{8}d - \frac{4}{6}\right)$

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

5) $\frac{4}{9}\left(\frac{3}{6}f + \frac{4}{6}\right)$

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

7) $-\frac{4}{8}\left(\frac{1}{4}h + \frac{3}{9}\right)$

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

9) $\frac{2}{5}\left(\frac{3}{8}j - \frac{1}{6}\right)$

10) $\frac{4}{5}\left(\frac{4}{7}k - \frac{4}{6}\right)$

11) $-\frac{4}{6}\left(-\frac{3}{5}m - \frac{4}{4}\right)$

12) $-\frac{2}{7}\left(-\frac{1}{7}n - \frac{3}{7}\right)$

13) $\frac{3}{6}\left(\frac{4}{7}p - \frac{4}{4}\right)$

14) $\frac{2}{3}\left(\frac{5}{8}r - \frac{6}{4}\right)$

15) $-\frac{2}{5}\left(\frac{1}{6}t + \frac{1}{5}\right)$

16) $-\frac{4}{7}\left(\frac{4}{7}u - \frac{5}{7}\right)$

17) $-\frac{2}{8}\left(-\frac{1}{7}v - \frac{6}{8}\right)$

18) $\frac{4}{9}\left(\frac{1}{9}w + \frac{5}{2}\right)$

19) $-\frac{4}{9}\left(\frac{3}{5}y + \frac{3}{3}\right)$

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

Answers

1. _____

2. _____

3. _____

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Answers

1. $-\frac{12}{36}b + \frac{4}{36}$

2. $\frac{3}{18}c + \frac{3}{45}$

3. $\frac{18}{72}d - \frac{12}{54}$

4. $-\frac{9}{36}e + \frac{6}{81}$

5. $\frac{12}{54}f + \frac{16}{54}$

6. $-\frac{4}{48}g + \frac{4}{24}$

7. $-\frac{4}{32}h - \frac{12}{72}$

8. $-\frac{4}{27}i - \frac{4}{63}$

9. $\frac{6}{40}j - \frac{2}{30}$

10. $\frac{16}{35}k - \frac{16}{30}$

11. $\frac{12}{30}m + \frac{16}{24}$

12. $\frac{2}{49}n + \frac{6}{49}$

13. $\frac{12}{42}p - \frac{12}{24}$

14. $\frac{10}{24}r - \frac{12}{12}$

15. $-\frac{2}{30}t - \frac{2}{25}$

16. $-\frac{16}{49}u + \frac{20}{49}$

17. $\frac{2}{56}v + \frac{12}{64}$

18. $\frac{4}{81}w + \frac{20}{18}$

19. $-\frac{12}{45}y - \frac{12}{27}$

20. $\frac{4}{24}z + \frac{2}{32}$