



Expand each expression.

1) $\frac{4}{7}\left(\frac{1}{2b} + \frac{1}{5}\right)$

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

3) $-\frac{3}{9}\left(\frac{1}{4d} + \frac{3}{2}\right)$

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

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

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

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

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

9) $\frac{2}{7}\left(\frac{5}{6k} - \frac{1}{7}\right)$

10) $\frac{4}{7}\left(\frac{1}{5m} - \frac{4}{7}\right)$

11) $-\frac{4}{5}\left(-\frac{1}{6n} - \frac{2}{4}\right)$

12) $-\frac{4}{5}\left(\frac{5}{8p} - \frac{1}{5}\right)$

13) $-\frac{4}{6}\left(-\frac{5}{8q} - \frac{3}{3}\right)$

14) $-\frac{3}{9}\left(\frac{3}{6r} + \frac{5}{2}\right)$

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

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

17) $-\frac{3}{5}\left(-\frac{6}{8v} - \frac{2}{7}\right)$

18) $-\frac{4}{9}\left(\frac{1}{4w} + \frac{1}{6}\right)$

19) $-\frac{3}{9}\left(\frac{4}{5x} - \frac{3}{6}\right)$

20) $-\frac{2}{4}\left(\frac{1}{5y} + \frac{3}{3}\right)$

Answers

1. _____

2. _____

3. _____

4. _____

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6. _____

7. _____

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Expand each expression.

1) $\frac{4}{7}\left(\frac{1}{2}b + \frac{1}{5}\right)$

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

3) $-\frac{3}{9}\left(\frac{1}{4}d + \frac{3}{2}\right)$

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

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

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

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

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

9) $\frac{2}{7}\left(\frac{5}{6}k - \frac{1}{7}\right)$

10) $\frac{4}{7}\left(\frac{1}{5}m - \frac{4}{7}\right)$

11) $-\frac{4}{5}\left(-\frac{1}{6}n - \frac{2}{4}\right)$

12) $-\frac{4}{5}\left(\frac{5}{8}p - \frac{1}{5}\right)$

13) $-\frac{4}{6}\left(-\frac{5}{8}q - \frac{3}{3}\right)$

14) $-\frac{3}{9}\left(\frac{3}{6}r + \frac{5}{2}\right)$

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

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

17) $-\frac{3}{5}\left(-\frac{6}{8}v - \frac{2}{7}\right)$

18) $-\frac{4}{9}\left(\frac{1}{4}w + \frac{1}{6}\right)$

19) $-\frac{3}{9}\left(\frac{4}{5}x - \frac{3}{6}\right)$

20) $-\frac{2}{4}\left(\frac{1}{5}y + \frac{3}{3}\right)$

Answers

1. $\frac{4}{14}b + \frac{4}{35}$

2. $-\frac{4}{48}c - \frac{2}{56}$

3. $-\frac{3}{36}d - \frac{9}{18}$

4. $-\frac{6}{25}e - \frac{3}{25}$

5. $\frac{12}{27}f + \frac{14}{24}$

6. $\frac{4}{16}g + \frac{2}{24}$

7. $-\frac{4}{18}h - \frac{4}{81}$

8. $\frac{4}{9}j + \frac{4}{21}$

9. $\frac{10}{42}k - \frac{2}{49}$

10. $\frac{4}{35}m - \frac{16}{49}$

11. $\frac{4}{30}n + \frac{8}{20}$

12. $-\frac{20}{40}p + \frac{4}{25}$

13. $\frac{20}{48}q + \frac{12}{18}$

14. $-\frac{9}{54}r - \frac{15}{18}$

15. $\frac{12}{35}t + \frac{4}{14}$

16. $-\frac{9}{28}u - \frac{3}{56}$

17. $\frac{18}{40}v + \frac{6}{35}$

18. $-\frac{4}{36}w - \frac{4}{54}$

19. $-\frac{12}{45}x + \frac{9}{54}$

20. $-\frac{2}{20}y - \frac{6}{12}$