



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

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

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



Expand each expression.

1) $-\frac{2}{6}\left(\frac{1}{2b} - \frac{1}{8}\right)$

2) $-\frac{3}{5}\left(\frac{2}{8c} + \frac{6}{3}\right)$

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

4) $-\frac{2}{6}\left(\frac{4}{8e} + \frac{6}{9}\right)$

5) $-\frac{4}{7}\left(\frac{1}{3f} + \frac{1}{5}\right)$

6) $\frac{2}{6}\left(\frac{1}{7g} + \frac{2}{4}\right)$

7) $-\frac{3}{9}\left(\frac{7}{9h} - \frac{6}{8}\right)$

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

9) $\frac{3}{6}\left(\frac{1}{4k} - \frac{3}{9}\right)$

10) $\frac{3}{6}\left(\frac{4}{5m} - \frac{1}{2}\right)$

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

12) $-\frac{3}{6}\left(\frac{3}{6p} - \frac{5}{7}\right)$

13) $-\frac{3}{6}\left(\frac{1}{2q} - \frac{1}{4}\right)$

14) $-\frac{4}{9}\left(-\frac{2}{7r} - \frac{2}{2}\right)$

15) $-\frac{2}{3}\left(-\frac{1}{6t} - \frac{5}{5}\right)$

16) $-\frac{4}{6}\left(-\frac{4}{5u} - \frac{3}{6}\right)$

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

18) $-\frac{2}{3}\left(-\frac{1}{7w} - \frac{5}{9}\right)$

19) $-\frac{4}{5}\left(-\frac{7}{9x} - \frac{6}{2}\right)$

20) $\frac{3}{7}\left(\frac{4}{6y} - \frac{1}{5}\right)$

Answers

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Expand each expression.

1) $-\frac{2}{6}\left(\frac{1}{2b} - \frac{1}{8}\right)$

2) $-\frac{3}{5}\left(\frac{2}{8c} + \frac{6}{3}\right)$

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

4) $-\frac{2}{6}\left(\frac{4}{8e} + \frac{6}{9}\right)$

5) $-\frac{4}{7}\left(\frac{1}{3f} + \frac{1}{5}\right)$

6) $\frac{2}{6}\left(\frac{1}{7g} + \frac{2}{4}\right)$

7) $-\frac{3}{9}\left(\frac{7}{9h} - \frac{6}{8}\right)$

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

9) $\frac{3}{6}\left(\frac{1}{4k} - \frac{3}{9}\right)$

10) $\frac{3}{6}\left(\frac{4}{5m} - \frac{1}{2}\right)$

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

12) $-\frac{3}{6}\left(\frac{3}{6p} - \frac{5}{7}\right)$

13) $-\frac{3}{6}\left(\frac{1}{2q} - \frac{1}{4}\right)$

14) $-\frac{4}{9}\left(-\frac{2}{7r} - \frac{2}{2}\right)$

15) $-\frac{2}{3}\left(-\frac{1}{6t} - \frac{5}{5}\right)$

16) $-\frac{4}{6}\left(-\frac{4}{5u} - \frac{3}{6}\right)$

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

18) $-\frac{2}{3}\left(-\frac{1}{7w} - \frac{5}{9}\right)$

19) $-\frac{4}{5}\left(-\frac{7}{9x} - \frac{6}{2}\right)$

20) $\frac{3}{7}\left(\frac{4}{6y} - \frac{1}{5}\right)$

Answers

1. $-\frac{2}{12}b + \frac{2}{48}$

2. $-\frac{6}{40}c - \frac{18}{15}$

3. $\frac{6}{28}d - \frac{2}{12}$

4. $-\frac{8}{48}e - \frac{12}{54}$

5. $-\frac{4}{21}f - \frac{4}{35}$

6. $\frac{2}{42}g + \frac{4}{24}$

7. $-\frac{21}{81}h + \frac{18}{72}$

8. $\frac{4}{9}j + \frac{2}{21}$

9. $\frac{3}{24}k - \frac{9}{54}$

10. $\frac{12}{30}m - \frac{3}{12}$

11. $\frac{4}{15}n + \frac{4}{25}$

12. $-\frac{9}{36}p + \frac{15}{42}$

13. $-\frac{3}{12}q + \frac{3}{24}$

14. $\frac{8}{63}r + \frac{8}{18}$

15. $\frac{2}{18}t + \frac{10}{15}$

16. $\frac{16}{30}u + \frac{12}{36}$

17. $-\frac{4}{25}v + \frac{6}{35}$

18. $\frac{2}{21}w + \frac{10}{27}$

19. $\frac{28}{45}x + \frac{24}{10}$

20. $\frac{12}{42}y - \frac{3}{35}$



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

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



Expand each expression.

1) $\frac{2}{4}(\frac{1}{2b} + \frac{1}{2})$

2) $-\frac{2}{8}(\frac{2}{3c} - \frac{1}{4})$

3) $-\frac{2}{7}(\frac{7}{9d} - \frac{3}{4})$

4) $\frac{2}{9}(\frac{2}{6e} - \frac{1}{9})$

5) $\frac{3}{7}(\frac{6}{9f} - \frac{2}{6})$

6) $\frac{4}{9}(\frac{3}{4g} - \frac{3}{7})$

7) $\frac{2}{6}(\frac{1}{2h} - \frac{1}{8})$

8) $-\frac{4}{9}(\frac{2}{5j} - \frac{1}{6})$

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

10) $-\frac{2}{9}(-\frac{2}{5m} - \frac{3}{6})$

11) $-\frac{4}{7}(\frac{3}{5n} - \frac{1}{5})$

12) $-\frac{3}{5}(-\frac{4}{7p} - \frac{3}{5})$

13) $-\frac{2}{4}(\frac{2}{5q} - \frac{3}{8})$

14) $\frac{3}{8}(\frac{6}{7r} + \frac{1}{2})$

15) $\frac{2}{7}(\frac{1}{2t} + \frac{1}{4})$

16) $\frac{3}{7}(\frac{1}{3u} - \frac{2}{9})$

17) $-\frac{4}{6}(\frac{5}{7v} + \frac{2}{6})$

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

19) $-\frac{3}{5}(\frac{1}{3x} + \frac{1}{9})$

20) $-\frac{4}{9}(\frac{3}{5y} + \frac{3}{6})$

Answers

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Expand each expression.

1) $\frac{2}{4}(\frac{1}{2b} + \frac{1}{2})$

2) $-\frac{2}{8}(\frac{2}{3c} - \frac{1}{4})$

3) $-\frac{2}{7}(\frac{7}{9d} - \frac{3}{4})$

4) $\frac{2}{9}(\frac{2}{6e} - \frac{1}{9})$

5) $\frac{3}{7}(\frac{6}{9f} - \frac{2}{6})$

6) $\frac{4}{9}(\frac{3}{4g} - \frac{3}{7})$

7) $\frac{2}{6}(\frac{1}{2h} - \frac{1}{8})$

8) $-\frac{4}{9}(\frac{2}{5j} - \frac{1}{6})$

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

10) $-\frac{2}{9}(-\frac{2}{5m} - \frac{3}{6})$

11) $-\frac{4}{7}(\frac{3}{5n} - \frac{1}{5})$

12) $-\frac{3}{5}(-\frac{4}{7p} - \frac{3}{5})$

13) $-\frac{2}{4}(\frac{2}{5q} - \frac{3}{8})$

14) $\frac{3}{8}(\frac{6}{7r} + \frac{1}{2})$

15) $\frac{2}{7}(\frac{1}{2t} + \frac{1}{4})$

16) $\frac{3}{7}(\frac{1}{3u} - \frac{2}{9})$

17) $-\frac{4}{6}(\frac{5}{7v} + \frac{2}{6})$

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

19) $-\frac{3}{5}(\frac{1}{3x} + \frac{1}{9})$

20) $-\frac{4}{9}(\frac{3}{5y} + \frac{3}{6})$

Answers

1. $\frac{2}{8}b + \frac{2}{8}$

2. $-\frac{4}{24}c + \frac{2}{32}$

3. $-\frac{14}{63}d + \frac{6}{28}$

4. $\frac{4}{54}e - \frac{2}{81}$

5. $\frac{18}{63}f - \frac{6}{42}$

6. $\frac{12}{36}g - \frac{12}{63}$

7. $\frac{2}{12}h - \frac{2}{48}$

8. $-\frac{8}{45}j + \frac{4}{54}$

9. $\frac{4}{27}k + \frac{8}{6}$

10. $\frac{4}{45}m + \frac{6}{54}$

11. $-\frac{12}{35}n + \frac{4}{35}$

12. $\frac{12}{35}p + \frac{9}{25}$

13. $-\frac{4}{20}q + \frac{6}{32}$

14. $\frac{18}{56}r + \frac{3}{16}$

15. $\frac{2}{14}t + \frac{2}{28}$

16. $\frac{3}{21}u - \frac{6}{63}$

17. $-\frac{20}{42}v - \frac{8}{36}$

18. $\frac{4}{42}w - \frac{2}{18}$

19. $-\frac{3}{15}x - \frac{3}{45}$

20. $-\frac{12}{45}y - \frac{12}{54}$



Expand each expression.

1) $\frac{3}{4}\left(\frac{4}{8b} + \frac{3}{3}\right)$

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

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

4) $-\frac{2}{4}\left(\frac{6}{7e} - \frac{5}{8}\right)$

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

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

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

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

9) $-\frac{2}{7}\left(\frac{4}{8k} - \frac{3}{4}\right)$

10) $-\frac{3}{7}\left(\frac{1}{3m} + \frac{2}{8}\right)$

11) $-\frac{3}{5}\left(-\frac{1}{8n} - \frac{4}{2}\right)$

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

13) $-\frac{3}{7}\left(\frac{2}{6q} - \frac{4}{3}\right)$

14) $\frac{3}{7}\left(\frac{1}{2r} + \frac{1}{3}\right)$

15) $\frac{2}{6}\left(\frac{4}{7t} - \frac{6}{6}\right)$

16) $\frac{4}{9}\left(\frac{4}{8u} - \frac{4}{7}\right)$

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

18) $\frac{2}{4}\left(\frac{3}{5w} + \frac{3}{2}\right)$

19) $-\frac{3}{4}\left(\frac{5}{9x} + \frac{6}{8}\right)$

20) $-\frac{4}{7}\left(\frac{6}{9y} + \frac{6}{3}\right)$

Answers

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Expand each expression.

1) $\frac{3}{4}\left(\frac{4}{8b} + \frac{3}{3}\right)$

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

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

4) $-\frac{2}{4}\left(\frac{6}{7e} - \frac{5}{8}\right)$

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

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

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

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

9) $-\frac{2}{7}\left(\frac{4}{8k} - \frac{3}{4}\right)$

10) $-\frac{3}{7}\left(\frac{1}{3m} + \frac{2}{8}\right)$

11) $-\frac{3}{5}\left(-\frac{1}{8n} - \frac{4}{2}\right)$

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

13) $-\frac{3}{7}\left(\frac{2}{6q} - \frac{4}{3}\right)$

14) $\frac{3}{7}\left(\frac{1}{2r} + \frac{1}{3}\right)$

15) $\frac{2}{6}\left(\frac{4}{7t} - \frac{6}{6}\right)$

16) $\frac{4}{9}\left(\frac{4}{8u} - \frac{4}{7}\right)$

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

18) $\frac{2}{4}\left(\frac{3}{5w} + \frac{3}{2}\right)$

19) $-\frac{3}{4}\left(\frac{5}{9x} + \frac{6}{8}\right)$

20) $-\frac{4}{7}\left(\frac{6}{9y} + \frac{6}{3}\right)$

Answers

1. $\frac{12}{32}b + \frac{9}{12}$

2. $-\frac{6}{24}c - \frac{6}{54}$

3. $\frac{3}{10}d - \frac{3}{15}$

4. $-\frac{12}{28}e + \frac{10}{32}$

5. $\frac{16}{81}f + \frac{16}{27}$

6. $-\frac{9}{49}g - \frac{6}{63}$

7. $\frac{8}{63}h + \frac{8}{28}$

8. $\frac{15}{30}j + \frac{9}{15}$

9. $-\frac{8}{56}k + \frac{6}{28}$

10. $-\frac{3}{21}m - \frac{6}{56}$

11. $\frac{3}{40}n + \frac{12}{10}$

12. $\frac{10}{54}p + \frac{4}{81}$

13. $-\frac{6}{42}q + \frac{12}{21}$

14. $\frac{3}{14}r + \frac{3}{21}$

15. $\frac{8}{42}t - \frac{12}{36}$

16. $\frac{16}{72}u - \frac{16}{63}$

17. $-\frac{3}{24}v - \frac{3}{72}$

18. $\frac{6}{20}w + \frac{6}{8}$

19. $-\frac{15}{36}x - \frac{18}{32}$

20. $-\frac{24}{63}y - \frac{24}{21}$



Expand each expression.

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

2) $-\frac{4}{6}\left(-\frac{4}{6c}-\frac{1}{7}\right)$

3) $\frac{3}{5}\left(\frac{1}{6d}+\frac{1}{6}\right)$

4) $-\frac{4}{8}\left(\frac{6}{7e}+\frac{5}{4}\right)$

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

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

7) $\frac{2}{4}\left(\frac{2}{3h}+\frac{1}{9}\right)$

8) $\frac{2}{7}\left(\frac{6}{9j}-\frac{2}{9}\right)$

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

10) $\frac{2}{6}\left(\frac{1}{3m}-\frac{1}{7}\right)$

11) $\frac{2}{4}\left(\frac{3}{4n}-\frac{1}{3}\right)$

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

13) $\frac{2}{4}\left(\frac{3}{7q}+\frac{6}{7}\right)$

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

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

16) $\frac{2}{5}\left(\frac{1}{6u}+\frac{2}{7}\right)$

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

18) $\frac{4}{9}\left(\frac{3}{4w}-\frac{1}{5}\right)$

19) $\frac{4}{6}\left(\frac{7}{9x}+\frac{8}{2}\right)$

20) $\frac{4}{8}\left(\frac{2}{3y}-\frac{1}{6}\right)$

Answers

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Expand each expression.

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

2) $-\frac{4}{6}\left(-\frac{4}{6c}-\frac{1}{7}\right)$

3) $\frac{3}{5}\left(\frac{1}{6d}+\frac{1}{6}\right)$

4) $-\frac{4}{8}\left(\frac{6}{7e}+\frac{5}{4}\right)$

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

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

7) $\frac{2}{4}\left(\frac{2}{3h}+\frac{1}{9}\right)$

8) $\frac{2}{7}\left(\frac{6}{9j}-\frac{2}{9}\right)$

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

10) $\frac{2}{6}\left(\frac{1}{3m}-\frac{1}{7}\right)$

11) $\frac{2}{4}\left(\frac{3}{4n}-\frac{1}{3}\right)$

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

13) $\frac{2}{4}\left(\frac{3}{7q}+\frac{6}{7}\right)$

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

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

16) $\frac{2}{5}\left(\frac{1}{6u}+\frac{2}{7}\right)$

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

18) $\frac{4}{9}\left(\frac{3}{4w}-\frac{1}{5}\right)$

19) $\frac{4}{6}\left(\frac{7}{9x}+\frac{8}{2}\right)$

20) $\frac{4}{8}\left(\frac{2}{3y}-\frac{1}{6}\right)$

Answers

1. $\frac{9}{16}b + \frac{6}{16}$

2. $\frac{16}{36}c + \frac{4}{42}$

3. $\frac{3}{30}d + \frac{3}{30}$

4. $-\frac{24}{56}e - \frac{20}{32}$

5. $\frac{10}{27}f + \frac{2}{6}$

6. $\frac{2}{18}g + \frac{2}{72}$

7. $\frac{4}{12}h + \frac{2}{36}$

8. $\frac{12}{63}j - \frac{4}{63}$

9. $-\frac{10}{54}k + \frac{2}{27}$

10. $\frac{2}{18}m - \frac{2}{42}$

11. $\frac{6}{16}n - \frac{2}{12}$

12. $\frac{4}{20}p - \frac{6}{20}$

13. $\frac{6}{28}q + \frac{12}{28}$

14. $\frac{6}{30}r + \frac{12}{10}$

15. $-\frac{28}{72}t - \frac{4}{72}$

16. $\frac{2}{30}u + \frac{4}{35}$

17. $\frac{12}{25}v + \frac{12}{30}$

18. $\frac{12}{36}w - \frac{4}{45}$

19. $\frac{28}{54}x + \frac{32}{12}$

20. $\frac{8}{24}y - \frac{4}{48}$



Expand each expression.

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

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

3) $\frac{4}{9}\left(\frac{2}{7}d - \frac{4}{9}\right)$

4) $\frac{4}{9}\left(\frac{1}{3}e + \frac{1}{6}\right)$

5) $\frac{3}{4}\left(\frac{8}{9}f - \frac{7}{4}\right)$

6) $-\frac{3}{8}\left(\frac{3}{6}g - \frac{5}{9}\right)$

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

8) $-\frac{2}{9}\left(\frac{1}{4}j - \frac{3}{6}\right)$

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

10) $-\frac{2}{4}\left(-\frac{1}{4}m - \frac{1}{7}\right)$

11) $\frac{3}{7}\left(\frac{3}{6}n - \frac{5}{5}\right)$

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

13) $\frac{4}{7}\left(\frac{3}{5}q + \frac{1}{7}\right)$

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

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

16) $-\frac{4}{8}\left(-\frac{4}{5}u - \frac{4}{7}\right)$

17) $\frac{3}{8}\left(\frac{1}{5}v + \frac{4}{7}\right)$

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

19) $-\frac{4}{6}\left(\frac{2}{6}x + \frac{5}{8}\right)$

20) $\frac{3}{7}\left(\frac{1}{2}y - \frac{1}{4}\right)$

Answers

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Expand each expression.

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

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

3) $\frac{4}{9}\left(\frac{2}{7}d - \frac{4}{9}\right)$

4) $\frac{4}{9}\left(\frac{1}{3}e + \frac{1}{6}\right)$

5) $\frac{3}{4}\left(\frac{8}{9}f - \frac{7}{4}\right)$

6) $-\frac{3}{8}\left(\frac{3}{6}g - \frac{5}{9}\right)$

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

8) $-\frac{2}{9}\left(\frac{1}{4}j - \frac{3}{6}\right)$

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

10) $-\frac{2}{4}\left(-\frac{1}{4}m - \frac{1}{7}\right)$

11) $\frac{3}{7}\left(\frac{3}{6}n - \frac{5}{5}\right)$

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

13) $\frac{4}{7}\left(\frac{3}{5}q + \frac{1}{7}\right)$

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

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

16) $-\frac{4}{8}\left(-\frac{4}{5}u - \frac{4}{7}\right)$

17) $\frac{3}{8}\left(\frac{1}{5}v + \frac{4}{7}\right)$

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

19) $-\frac{4}{6}\left(\frac{2}{6}x + \frac{5}{8}\right)$

20) $\frac{3}{7}\left(\frac{1}{2}y - \frac{1}{4}\right)$

Answers

1. $-\frac{6}{28}b + \frac{6}{28}$

2. $\frac{6}{20}c - \frac{3}{10}$

3. $\frac{8}{63}d - \frac{16}{81}$

4. $\frac{4}{27}e + \frac{4}{54}$

5. $\frac{24}{36}f - \frac{21}{16}$

6. $-\frac{9}{48}g + \frac{15}{72}$

7. $\frac{2}{64}h + \frac{14}{48}$

8. $-\frac{2}{36}j + \frac{6}{54}$

9. $-\frac{3}{56}k + \frac{12}{56}$

10. $\frac{2}{16}m + \frac{2}{28}$

11. $\frac{9}{42}n - \frac{15}{35}$

12. $-\frac{2}{15}p - \frac{4}{20}$

13. $\frac{12}{35}q + \frac{4}{49}$

14. $\frac{6}{32}r + \frac{9}{40}$

15. $\frac{4}{15}t + \frac{6}{6}$

16. $\frac{16}{40}u + \frac{16}{56}$

17. $\frac{3}{40}v + \frac{12}{56}$

18. $-\frac{4}{14}w - \frac{4}{14}$

19. $-\frac{8}{36}x - \frac{20}{48}$

20. $\frac{3}{14}y - \frac{3}{28}$



Expand each expression.

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

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

3) $-\frac{4}{9}\left(-\frac{3}{6d} - \frac{3}{7}\right)$

4) $-\frac{3}{4}\left(-\frac{2}{9e} - \frac{1}{6}\right)$

5) $-\frac{4}{5}\left(\frac{4}{5f} + \frac{3}{7}\right)$

6) $\frac{3}{5}\left(\frac{2}{3g} + \frac{2}{6}\right)$

7) $-\frac{3}{6}\left(-\frac{1}{2h} - \frac{1}{5}\right)$

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

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

10) $-\frac{2}{9}\left(\frac{1}{5m} - \frac{2}{8}\right)$

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

12) $-\frac{2}{4}\left(-\frac{1}{7p} - \frac{1}{3}\right)$

13) $\frac{2}{7}\left(\frac{1}{2q} + \frac{1}{8}\right)$

14) $-\frac{4}{9}\left(\frac{5}{6r} - \frac{1}{9}\right)$

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

16) $\frac{3}{5}\left(\frac{2}{8u} + \frac{6}{8}\right)$

17) $\frac{2}{7}\left(\frac{1}{3v} - \frac{2}{2}\right)$

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

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

20) $-\frac{4}{6}\left(\frac{4}{7y} + \frac{1}{3}\right)$

Answers

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Expand each expression.

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

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

3) $-\frac{4}{9}\left(-\frac{3}{6d} - \frac{3}{7}\right)$

4) $-\frac{3}{4}\left(-\frac{2}{9e} - \frac{1}{6}\right)$

5) $-\frac{4}{5}\left(\frac{4}{5f} + \frac{3}{7}\right)$

6) $\frac{3}{5}\left(\frac{2}{3g} + \frac{2}{6}\right)$

7) $-\frac{3}{6}\left(-\frac{1}{2h} - \frac{1}{5}\right)$

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

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

10) $-\frac{2}{9}\left(\frac{1}{5m} - \frac{2}{8}\right)$

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

12) $-\frac{2}{4}\left(-\frac{1}{7p} - \frac{1}{3}\right)$

13) $\frac{2}{7}\left(\frac{1}{2q} + \frac{1}{8}\right)$

14) $-\frac{4}{9}\left(\frac{5}{6r} - \frac{1}{9}\right)$

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

16) $\frac{3}{5}\left(\frac{2}{8u} + \frac{6}{8}\right)$

17) $\frac{2}{7}\left(\frac{1}{3v} - \frac{2}{2}\right)$

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

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

20) $-\frac{4}{6}\left(\frac{4}{7y} + \frac{1}{3}\right)$

Answers

1. $-\frac{10}{54}b + \frac{10}{81}$

2. $\frac{4}{48}c - \frac{10}{64}$

3. $\frac{12}{54}d + \frac{12}{63}$

4. $\frac{6}{36}e + \frac{3}{24}$

5. $-\frac{16}{25}f - \frac{12}{35}$

6. $\frac{6}{15}g + \frac{6}{30}$

7. $\frac{3}{12}h + \frac{3}{30}$

8. $\frac{2}{18}j + \frac{2}{72}$

9. $-\frac{4}{30}k + \frac{2}{45}$

10. $-\frac{2}{45}m + \frac{4}{72}$

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

12. $\frac{2}{28}p + \frac{2}{12}$

13. $\frac{2}{14}q + \frac{2}{56}$

14. $-\frac{20}{54}r + \frac{4}{81}$

15. $\frac{8}{24}t + \frac{4}{36}$

16. $\frac{6}{40}u + \frac{18}{40}$

17. $\frac{2}{21}v - \frac{4}{14}$

18. $\frac{2}{10}w - \frac{2}{45}$

19. $\frac{4}{15}x - \frac{4}{20}$

20. $-\frac{16}{42}y - \frac{4}{18}$



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

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

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



Expand each expression.

1) $-\frac{2}{8}\left(\frac{1}{2b} - \frac{1}{9}\right)$

2) $-\frac{4}{8}\left(\frac{1}{2c} + \frac{1}{5}\right)$

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

4) $\frac{3}{8}\left(\frac{7}{8e} - \frac{4}{8}\right)$

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

6) $-\frac{2}{7}\left(\frac{5}{9g} - \frac{5}{3}\right)$

7) $\frac{4}{9}\left(\frac{4}{5h} - \frac{1}{3}\right)$

8) $-\frac{3}{5}\left(-\frac{3}{7j} - \frac{1}{2}\right)$

9) $-\frac{4}{7}\left(-\frac{2}{6k} - \frac{1}{2}\right)$

10) $-\frac{4}{9}\left(\frac{1}{2m} - \frac{1}{8}\right)$

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

12) $-\frac{4}{5}\left(\frac{1}{8p} - \frac{3}{8}\right)$

13) $-\frac{4}{9}\left(\frac{1}{3q} + \frac{2}{6}\right)$

14) $-\frac{4}{9}\left(\frac{1}{2r} - \frac{1}{3}\right)$

15) $\frac{2}{7}\left(\frac{4}{5t} - \frac{1}{8}\right)$

16) $-\frac{4}{8}\left(\frac{3}{8u} - \frac{7}{9}\right)$

17) $\frac{4}{8}\left(\frac{2}{5v} - \frac{2}{3}\right)$

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

19) $-\frac{3}{8}\left(\frac{3}{4x} - \frac{3}{7}\right)$

20) $\frac{2}{5}\left(\frac{5}{6y} - \frac{5}{6}\right)$

Answers

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Expand each expression.

1) $-\frac{2}{8}\left(\frac{1}{2b} - \frac{1}{9}\right)$

2) $-\frac{4}{8}\left(\frac{1}{2c} + \frac{1}{5}\right)$

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

4) $\frac{3}{8}\left(\frac{7}{8e} - \frac{4}{8}\right)$

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

6) $-\frac{2}{7}\left(\frac{5}{9g} - \frac{5}{3}\right)$

7) $\frac{4}{9}\left(\frac{4}{5h} - \frac{1}{3}\right)$

8) $-\frac{3}{5}\left(-\frac{3}{7j} - \frac{1}{2}\right)$

9) $-\frac{4}{7}\left(-\frac{2}{6k} - \frac{1}{2}\right)$

10) $-\frac{4}{9}\left(\frac{1}{2m} - \frac{1}{8}\right)$

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

12) $-\frac{4}{5}\left(\frac{1}{8p} - \frac{3}{8}\right)$

13) $-\frac{4}{9}\left(\frac{1}{3q} + \frac{2}{6}\right)$

14) $-\frac{4}{9}\left(\frac{1}{2r} - \frac{1}{3}\right)$

15) $\frac{2}{7}\left(\frac{4}{5t} - \frac{1}{8}\right)$

16) $-\frac{4}{8}\left(\frac{3}{8u} - \frac{7}{9}\right)$

17) $\frac{4}{8}\left(\frac{2}{5v} - \frac{2}{3}\right)$

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

19) $-\frac{3}{8}\left(\frac{3}{4x} - \frac{3}{7}\right)$

20) $\frac{2}{5}\left(\frac{5}{6y} - \frac{5}{6}\right)$

Answers

1. $-\frac{2}{16}b + \frac{2}{72}$

2. $-\frac{4}{16}c - \frac{4}{40}$

3. $\frac{2}{12}d + \frac{6}{27}$

4. $\frac{21}{64}e - \frac{12}{64}$

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

6. $-\frac{10}{63}g + \frac{10}{21}$

7. $\frac{16}{45}h - \frac{4}{27}$

8. $\frac{9}{35}j + \frac{3}{10}$

9. $\frac{8}{42}k + \frac{4}{14}$

10. $-\frac{4}{18}m + \frac{4}{72}$

11. $-\frac{6}{45}n - \frac{6}{36}$

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

13. $-\frac{4}{27}q - \frac{8}{54}$

14. $-\frac{4}{18}r + \frac{4}{27}$

15. $\frac{8}{35}t - \frac{2}{56}$

16. $-\frac{12}{64}u + \frac{28}{72}$

17. $\frac{8}{40}v - \frac{8}{24}$

18. $-\frac{2}{12}w - \frac{4}{28}$

19. $-\frac{9}{32}x + \frac{9}{56}$

20. $\frac{10}{30}y - \frac{10}{30}$