



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. \_\_\_\_\_

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

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

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

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