



Expand each expression.

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

2)  $\frac{4}{6}(\frac{4}{7}c + \frac{1}{3})$

3)  $\frac{4}{5}(\frac{1}{5}d - \frac{2}{9})$

4)  $-\frac{2}{9}(\frac{2}{5}e + \frac{3}{2})$

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

6)  $\frac{3}{4}(\frac{2}{3}g - \frac{2}{5})$

7)  $\frac{2}{6}(\frac{2}{7}h - \frac{1}{4})$

8)  $-\frac{2}{6}(\frac{4}{9}i + \frac{6}{7})$

9)  $-\frac{2}{7}(-\frac{1}{2}j - \frac{1}{4})$

10)  $-\frac{3}{5}(-\frac{3}{5}k - \frac{4}{2})$

11)  $\frac{3}{5}(\frac{1}{2}m - \frac{1}{5})$

12)  $-\frac{2}{9}(\frac{6}{7}n + \frac{4}{8})$

13)  $\frac{4}{5}(\frac{3}{4}p - \frac{2}{7})$

14)  $-\frac{4}{6}(\frac{4}{7}r - \frac{1}{9})$

15)  $-\frac{2}{9}(\frac{3}{6}t + \frac{2}{6})$

16)  $-\frac{4}{7}(\frac{2}{5}u - \frac{3}{4})$

17)  $-\frac{3}{7}(\frac{3}{6}v + \frac{2}{4})$

18)  $\frac{3}{6}(\frac{5}{6}w + \frac{1}{2})$

19)  $\frac{4}{7}(\frac{4}{9}y + \frac{3}{2})$

20)  $-\frac{2}{6}(\frac{3}{4}z - \frac{3}{5})$

**Answers**

1. \_\_\_\_\_

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

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

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

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

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20)  $-\frac{2}{6}(\frac{3}{4}z - \frac{3}{5})$

**Answers**

1.  $\frac{4}{16}b - \frac{4}{32}$

2.  $\frac{16}{42}c + \frac{4}{18}$

3.  $\frac{4}{25}d - \frac{8}{45}$

4.  $-\frac{4}{45}e - \frac{6}{18}$

5.  $-\frac{3}{16}f + \frac{3}{32}$

6.  $\frac{6}{12}g - \frac{6}{20}$

7.  $\frac{4}{42}h - \frac{2}{24}$

8.  $-\frac{8}{54}i - \frac{12}{42}$

9.  $\frac{2}{14}j + \frac{2}{28}$

10.  $\frac{9}{25}k + \frac{12}{10}$

11.  $\frac{3}{10}m - \frac{3}{25}$

12.  $-\frac{12}{63}n - \frac{8}{72}$

13.  $\frac{12}{20}p - \frac{8}{35}$

14.  $-\frac{16}{42}r + \frac{4}{54}$

15.  $-\frac{6}{54}t - \frac{4}{54}$

16.  $-\frac{8}{35}u + \frac{12}{28}$

17.  $-\frac{9}{42}v - \frac{6}{28}$

18.  $\frac{15}{36}w + \frac{3}{12}$

19.  $\frac{16}{63}y + \frac{12}{14}$

20.  $-\frac{6}{24}z + \frac{6}{30}$