Expanding Expressions

Name:

Expand each expression.

1) $\frac{4}{5}(\frac{1}{4}b - \frac{2}{4})$

2) $-\frac{2}{4}(\frac{5}{6}c + \frac{4}{9})$

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

4) $\frac{3}{9}(\frac{1}{2}e + \frac{1}{8})$

5) $-\frac{4}{6}(-\frac{7}{8}f - \frac{6}{7})$

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

7) $-\frac{3}{9}(-\frac{4}{9}h - \frac{6}{5})$

8) $-\frac{4}{7}(\frac{2}{5}i - \frac{4}{8})$

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

10) $\frac{2}{6}(\frac{1}{5}k + \frac{1}{8})$

11) $-\frac{2}{7}(\frac{2}{9}m - \frac{2}{9})$

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

13) $-\frac{2}{5}(\frac{5}{6}p + \frac{3}{4})$

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

15) $-\frac{3}{9}(-\frac{1}{6}t - \frac{2}{2})$

16) $-\frac{4}{5}(\frac{7}{9}u + \frac{3}{7})$

17) $-\frac{4}{9}(-\frac{1}{8}v - \frac{5}{3})$

18) $-\frac{4}{7}(\frac{2}{3}w + \frac{1}{6})$

19) $\frac{2}{5}(\frac{5}{6}y + \frac{4}{3})$

20) $\frac{3}{6}(\frac{1}{4}z + \frac{3}{8})$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Expanding Expressions Name: **Answer Key**

Expand each expression.

1) $\frac{4}{5}(\frac{1}{4}b - \frac{2}{4})$

2) $-\frac{2}{4}(\frac{5}{6}c + \frac{4}{9})$

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

4) $\frac{3}{9}(\frac{1}{2}e + \frac{1}{8})$

5) $-\frac{4}{6}(-\frac{7}{8}f - \frac{6}{7})$

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

7) $-\frac{3}{9}(-\frac{4}{9}h - \frac{6}{5})$

8) $-\frac{4}{7}(\frac{2}{5}i - \frac{4}{8})$

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

10) $\frac{2}{6}(\frac{1}{5}k + \frac{1}{8})$

11) $-\frac{2}{7}(\frac{2}{9}m - \frac{2}{9})$

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

13) $-\frac{2}{5}(\frac{5}{6}p + \frac{3}{4})$

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

15) $-\frac{3}{9}(-\frac{1}{6}t - \frac{2}{2})$

16) $-\frac{4}{5}(\frac{7}{9}u + \frac{3}{7})$

17) $-\frac{4}{9}(-\frac{1}{8}v - \frac{5}{3})$

18) $-\frac{4}{7}(\frac{2}{3}w + \frac{1}{6})$

19) $\frac{2}{5}(\frac{5}{6}y + \frac{4}{3})$

20) $\frac{3}{6}(\frac{1}{4}z + \frac{3}{8})$

Answers

1. $\frac{4}{20}b - \frac{8}{20}$
2. $-\frac{10}{24}c - \frac{8}{36}$
3. $-\frac{3}{8}d - \frac{3}{32}$
4. $\frac{3}{18}e + \frac{3}{72}$
5. $\frac{28}{48}f + \frac{24}{42}$
6. $-\frac{4}{12}g + \frac{4}{24}$
7. $\frac{12}{81}h + \frac{18}{45}$
8. $-\frac{8}{35}i + \frac{16}{56}$
9. $\frac{4}{28}j + \frac{6}{12}$
10. $\frac{2}{30}k + \frac{2}{48}$
11. $-\frac{4}{63}m + \frac{4}{63}$
12. $\frac{8}{48}n + \frac{16}{56}$
13. $-\frac{10}{30}p - \frac{6}{20}$
14. $\frac{6}{18}r + \frac{6}{42}$
15. $\frac{3}{54}t + \frac{6}{18}$
16. $-\frac{28}{45}u - \frac{12}{35}$
17. $\frac{4}{72}v + \frac{20}{27}$
18. $-\frac{8}{21}w - \frac{4}{42}$
19. $\frac{10}{30}y + \frac{8}{15}$
20. $\frac{3}{24}z + \frac{9}{48}$

Math

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11-20	45	40	35	30	25	20	15	10	5	0