Expanding Expressions Name:

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

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

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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. $\frac{4}{16}b - \frac{4}{32}$
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. $-\frac{6}{24}z + \frac{6}{30}$

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