Expanding Expressions Name:

Expand each expression.

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

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

3) $-\frac{3}{9}(\frac{1}{6}d+\frac{3}{5})$

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

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

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

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

8) $\frac{2}{5}(\frac{7}{8}i+\frac{2}{9})$

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

10) $-\frac{3}{5}(\frac{6}{8}k+\frac{2}{6})$

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

12) $-\frac{2}{9}(\frac{1}{2}n+\frac{1}{9})$

13) $-\frac{2}{3}(\frac{5}{9}p-\frac{6}{6})$

14) $-\frac{4}{5}(\frac{1}{6}r-\frac{2}{7})$

15) $-\frac{3}{9}(\frac{2}{5}t+\frac{1}{2})$

16) $-\frac{4}{7}(\frac{1}{2}u+\frac{1}{4})$

17) $-\frac{4}{8}(\frac{1}{3}v+\frac{2}{5})$

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

19) $\frac{3}{4}(\frac{2}{8}y+\frac{2}{3})$

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

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

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

3) $-\frac{3}{9}(\frac{1}{6}d+\frac{3}{5})$

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

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

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

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

8) $\frac{2}{5}(\frac{7}{8}i+\frac{2}{9})$

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

10) $-\frac{3}{5}(\frac{6}{8}k+\frac{2}{6})$

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

12) $-\frac{2}{9}(\frac{1}{2}n+\frac{1}{9})$

13) $-\frac{2}{3}(\frac{5}{9}p-\frac{6}{6})$

14) $-\frac{4}{5}(\frac{1}{6}r-\frac{2}{7})$

15) $-\frac{3}{9}(\frac{2}{5}t+\frac{1}{2})$

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17) $-\frac{4}{8}(\frac{1}{3}v+\frac{2}{5})$

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

19) $\frac{3}{4}(\frac{2}{8}y+\frac{2}{3})$

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

Answers

1. $\frac{2}{45}b+\frac{6}{45}$
2. $\frac{3}{10}c+\frac{3}{30}$
3. $-\frac{3}{54}d-\frac{9}{45}$
4. $\frac{8}{20}e-\frac{8}{20}$
5. $\frac{15}{63}f+\frac{12}{81}$
6. $\frac{4}{15}g+\frac{4}{15}$
7. $\frac{20}{63}h-\frac{28}{49}$
8. $\frac{14}{40}i+\frac{4}{45}$
9. $\frac{9}{35}j-\frac{18}{30}$
10. $-\frac{18}{40}k-\frac{6}{30}$
11. $-\frac{8}{36}m+\frac{8}{27}$
12. $-\frac{2}{18}n-\frac{2}{81}$
13. $-\frac{10}{27}p+\frac{12}{18}$
14. $-\frac{4}{30}r+\frac{8}{35}$
15. $-\frac{6}{45}t-\frac{3}{18}$
16. $-\frac{4}{14}u-\frac{4}{28}$
17. $-\frac{4}{24}v-\frac{8}{40}$
18. $\frac{3}{14}w-\frac{3}{49}$
19. $\frac{6}{32}y+\frac{6}{12}$
20. $\frac{4}{36}z+\frac{12}{48}$

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