Expanding Expressions Name:

Expand each expression.

1) $-\frac{2}{6}(-\frac{2}{3}b-\frac{1}{4})$

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

3) $-\frac{2}{6}(\frac{3}{8}d-\frac{4}{5})$

4) $-\frac{4}{9}(-\frac{8}{9}e-\frac{5}{2})$

5) $-\frac{2}{6}(\frac{1}{2}f+\frac{1}{8})$

6) $-\frac{3}{9}(-\frac{8}{9}g-\frac{7}{6})$

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

8) $-\frac{2}{5}(-\frac{4}{6}i-\frac{1}{4})$

9) $-\frac{3}{5}(\frac{5}{6}j+\frac{2}{5})$

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

11) $-\frac{3}{9}(\frac{1}{3}m-\frac{2}{3})$

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

13) $-\frac{3}{8}(\frac{2}{5}p+\frac{4}{2})$

14) $\frac{2}{4}(\frac{5}{9}r-\frac{4}{6})$

15) $\frac{2}{4}(\frac{7}{8}t-\frac{3}{2})$

16) $\frac{2}{3}(\frac{5}{7}u+\frac{6}{3})$

17) $-\frac{2}{3}(\frac{1}{2}v+\frac{1}{7})$

18) $-\frac{2}{8}(-\frac{7}{8}w-\frac{2}{5})$

19) $-\frac{4}{8}(\frac{7}{8}y-\frac{2}{6})$

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

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) $-\frac{2}{6}(-\frac{2}{3}b-\frac{1}{4})$

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3) $-\frac{2}{6}(\frac{3}{8}d-\frac{4}{5})$

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6) $-\frac{3}{9}(-\frac{8}{9}g-\frac{7}{6})$

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9) $-\frac{3}{5}(\frac{5}{6}j+\frac{2}{5})$

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

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18) $-\frac{2}{8}(-\frac{7}{8}w-\frac{2}{5})$

19) $-\frac{4}{8}(\frac{7}{8}y-\frac{2}{6})$

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

Answers

1. $\frac{4}{18}b+\frac{2}{24}$
2. $\frac{3}{12}c+\frac{3}{12}$
3. $-\frac{6}{48}d+\frac{8}{30}$
4. $\frac{32}{81}e+\frac{20}{18}$
5. $-\frac{2}{12}f-\frac{2}{48}$
6. $\frac{24}{81}g+\frac{21}{54}$
7. $\frac{9}{24}h+\frac{15}{28}$
8. $\frac{8}{30}i+\frac{2}{20}$
9. $-\frac{15}{30}j-\frac{6}{25}$
10. $\frac{15}{40}k+\frac{18}{30}$
11. $-\frac{3}{27}m+\frac{6}{27}$
12. $-\frac{16}{54}n-\frac{16}{12}$
13. $-\frac{6}{40}p-\frac{12}{16}$
14. $\frac{10}{36}r-\frac{8}{24}$
15. $\frac{14}{32}t-\frac{6}{8}$
16. $\frac{10}{21}u+\frac{12}{9}$
17. $-\frac{2}{6}v-\frac{2}{21}$
18. $\frac{14}{64}w+\frac{4}{40}$
19. $-\frac{28}{64}y+\frac{8}{48}$
20. $-\frac{9}{25}z-\frac{6}{20}$

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