

Expanded to Standard Form With Decimals (I)

Name: _____

Date: _____

Convert each expanded factors form decimal number to standard form.

1. $(3 \times 1) + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (8 \times \frac{1}{1000}) + (3 \times \frac{1}{10,000}) + (2 \times \frac{1}{1,000,000})$

2. $(4 \times 1) + (8 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (4 \times \frac{1}{1000}) + (1 \times \frac{1}{10,000}) + (5 \times \frac{1}{1,000,000})$

3. $(6 \times 1) + (8 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (6 \times \frac{1}{1000}) + (7 \times \frac{1}{10,000}) + (3 \times \frac{1}{100,000}) + (6 \times \frac{1}{1,000,000})$

4. $(1 \times 1) + (8 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (4 \times \frac{1}{1000}) + (8 \times \frac{1}{100,000}) + (1 \times \frac{1}{1,000,000})$

5. $(2 \times 1) + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (2 \times \frac{1}{1000}) + (3 \times \frac{1}{10,000}) + (2 \times \frac{1}{100,000}) + (8 \times \frac{1}{1,000,000})$

6. $(5 \times 1) + (3 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (6 \times \frac{1}{1000}) + (4 \times \frac{1}{10,000}) + (6 \times \frac{1}{100,000}) + (8 \times \frac{1}{1,000,000})$

7. $(8 \times 1) + (9 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (9 \times \frac{1}{1000}) + (9 \times \frac{1}{10,000}) + (7 \times \frac{1}{100,000}) + (8 \times \frac{1}{1,000,000})$

8. $(2 \times 1) + (1 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (5 \times \frac{1}{1000}) + (8 \times \frac{1}{10,000}) + (8 \times \frac{1}{100,000}) + (9 \times \frac{1}{1,000,000})$

9. $(8 \times 1) + (5 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (2 \times \frac{1}{1000}) + (4 \times \frac{1}{10,000}) + (9 \times \frac{1}{100,000}) + (6 \times \frac{1}{1,000,000})$

10. $(7 \times 1) + (3 \times \frac{1}{10}) + (3 \times \frac{1}{100,000}) + (2 \times \frac{1}{1,000,000})$

Expanded to Standard Form With Decimals (I) Answers

Name: _____

Date: _____

Convert each expanded factors form decimal number to standard form.

1. $(3 \times 1) + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (8 \times \frac{1}{1000}) + (3 \times \frac{1}{10,000}) + (2 \times \frac{1}{1,000,000})$
3.578302

2. $(4 \times 1) + (8 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (4 \times \frac{1}{1000}) + (1 \times \frac{1}{10,000}) + (5 \times \frac{1}{1,000,000})$
4.884105

3. $(6 \times 1) + (8 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (6 \times \frac{1}{1000}) + (7 \times \frac{1}{10,000}) + (3 \times \frac{1}{100,000}) + (6 \times \frac{1}{1,000,000})$
6.846736

4. $(1 \times 1) + (8 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (4 \times \frac{1}{1000}) + (8 \times \frac{1}{100,000}) + (1 \times \frac{1}{1,000,000})$
1.894081

5. $(2 \times 1) + (5 \times \frac{1}{10}) + (7 \times \frac{1}{100}) + (2 \times \frac{1}{1000}) + (3 \times \frac{1}{10,000}) + (2 \times \frac{1}{100,000}) + (8 \times \frac{1}{1,000,000})$
2.572328

6. $(5 \times 1) + (3 \times \frac{1}{10}) + (3 \times \frac{1}{100}) + (6 \times \frac{1}{1000}) + (4 \times \frac{1}{10,000}) + (6 \times \frac{1}{100,000}) + (8 \times \frac{1}{1,000,000})$
5.336468

7. $(8 \times 1) + (9 \times \frac{1}{10}) + (1 \times \frac{1}{100}) + (9 \times \frac{1}{1000}) + (9 \times \frac{1}{10,000}) + (7 \times \frac{1}{100,000}) + (8 \times \frac{1}{1,000,000})$
8.919978

8. $(2 \times 1) + (1 \times \frac{1}{10}) + (9 \times \frac{1}{100}) + (5 \times \frac{1}{1000}) + (8 \times \frac{1}{10,000}) + (8 \times \frac{1}{100,000}) + (9 \times \frac{1}{1,000,000})$
2.195889

9. $(8 \times 1) + (5 \times \frac{1}{10}) + (8 \times \frac{1}{100}) + (2 \times \frac{1}{1000}) + (4 \times \frac{1}{10,000}) + (9 \times \frac{1}{100,000}) + (6 \times \frac{1}{1,000,000})$
8.582496

10. $(7 \times 1) + (3 \times \frac{1}{10}) + (3 \times \frac{1}{100,000}) + (2 \times \frac{1}{1,000,000})$
7.300032