

Expanded to Standard Form With Decimals (E)

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(8 \times 10^0) + (1 \times 10^{-1}) + (2 \times 10^{-2}) + (3 \times 10^{-3}) + (4 \times 10^{-4}) + (8 \times 10^{-5}) + (5 \times 10^{-6})$

2. $(6 \times 10^0) + (5 \times 10^{-1}) + (2 \times 10^{-2}) + (6 \times 10^{-3}) + (7 \times 10^{-4}) + (9 \times 10^{-5}) + (4 \times 10^{-6})$

3. $(4 \times 10^0) + (2 \times 10^{-1}) + (8 \times 10^{-2}) + (2 \times 10^{-3}) + (9 \times 10^{-4}) + (4 \times 10^{-5}) + (8 \times 10^{-6})$

4. $(7 \times 10^0) + (3 \times 10^{-1}) + (5 \times 10^{-2}) + (5 \times 10^{-3}) + (6 \times 10^{-5}) + (3 \times 10^{-6})$

5. $(4 \times 10^0) + (9 \times 10^{-1}) + (8 \times 10^{-5}) + (8 \times 10^{-6})$

6. $(5 \times 10^0) + (7 \times 10^{-1}) + (9 \times 10^{-2}) + (5 \times 10^{-4}) + (2 \times 10^{-5}) + (3 \times 10^{-6})$

7. $(3 \times 10^0) + (2 \times 10^{-1}) + (6 \times 10^{-2}) + (2 \times 10^{-3}) + (3 \times 10^{-4}) + (6 \times 10^{-5}) + (2 \times 10^{-6})$

8. $(8 \times 10^0) + (2 \times 10^{-1}) + (6 \times 10^{-2}) + (4 \times 10^{-3}) + (7 \times 10^{-4}) + (8 \times 10^{-5}) + (9 \times 10^{-6})$

9. $(1 \times 10^0) + (8 \times 10^{-1}) + (3 \times 10^{-2}) + (9 \times 10^{-3}) + (8 \times 10^{-4}) + (5 \times 10^{-5}) + (7 \times 10^{-6})$

10. $(1 \times 10^0) + (9 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (1 \times 10^{-4}) + (5 \times 10^{-6})$

Expanded to Standard Form With Decimals (E) Answers

Name: _____

Date: _____

Convert each expanded exponential form decimal number to standard form.

1. $(8 \times 10^0) + (1 \times 10^{-1}) + (2 \times 10^{-2}) + (3 \times 10^{-3}) + (4 \times 10^{-4}) + (8 \times 10^{-5}) + (5 \times 10^{-6})$

8.123485

2. $(6 \times 10^0) + (5 \times 10^{-1}) + (2 \times 10^{-2}) + (6 \times 10^{-3}) + (7 \times 10^{-4}) + (9 \times 10^{-5}) + (4 \times 10^{-6})$

6.526794

3. $(4 \times 10^0) + (2 \times 10^{-1}) + (8 \times 10^{-2}) + (2 \times 10^{-3}) + (9 \times 10^{-4}) + (4 \times 10^{-5}) + (8 \times 10^{-6})$

4.282948

4. $(7 \times 10^0) + (3 \times 10^{-1}) + (5 \times 10^{-2}) + (5 \times 10^{-3}) + (6 \times 10^{-5}) + (3 \times 10^{-6})$

7.355063

5. $(4 \times 10^0) + (9 \times 10^{-1}) + (8 \times 10^{-5}) + (8 \times 10^{-6})$

4.900088

6. $(5 \times 10^0) + (7 \times 10^{-1}) + (9 \times 10^{-2}) + (5 \times 10^{-4}) + (2 \times 10^{-5}) + (3 \times 10^{-6})$

5.790523

7. $(3 \times 10^0) + (2 \times 10^{-1}) + (6 \times 10^{-2}) + (2 \times 10^{-3}) + (3 \times 10^{-4}) + (6 \times 10^{-5}) + (2 \times 10^{-6})$

3.262362

8. $(8 \times 10^0) + (2 \times 10^{-1}) + (6 \times 10^{-2}) + (4 \times 10^{-3}) + (7 \times 10^{-4}) + (8 \times 10^{-5}) + (9 \times 10^{-6})$

8.264789

9. $(1 \times 10^0) + (8 \times 10^{-1}) + (3 \times 10^{-2}) + (9 \times 10^{-3}) + (8 \times 10^{-4}) + (5 \times 10^{-5}) + (7 \times 10^{-6})$

1.839857

10. $(1 \times 10^0) + (9 \times 10^{-1}) + (8 \times 10^{-2}) + (8 \times 10^{-3}) + (1 \times 10^{-4}) + (5 \times 10^{-6})$

1.988105