

Name: _____

Time: _____ : _____ - _____ : _____ Date: _____

Writing Decimals in Words and their Expanded Notation

Identify the expanded form of the given number.

1. 782.124

$$7 \times 100 + 8 \times 100 + 2 \times 1 + \frac{1}{10}$$

+

$\frac{2}{10}$

+

$$\frac{4}{1000}$$

$$7 \times 100 + 8 \times 10 + 2 \times 1 + \frac{1}{10}$$

+

$\frac{2}{100}$

+

$$\frac{4}{1000}$$

$$7 \times 100 + 8 \times 10 + 2 \times 10 + \frac{1}{10}$$

+

$\frac{2}{10}$

+

$$\frac{4}{1000}$$

$$7 \times 100 + 8 \times 10 + 2 \times 1 + \frac{1}{10}$$

+

$\frac{2}{10}$

+

$$\frac{4}{1000}$$

2. 432.649

$$4 \times 100 + 3 \times 10 + 2 \times 1 +$$

$$\frac{6}{10}$$

+

$\frac{4}{100}$

+

$$\frac{9}{1000}$$

$$4 \times 100 + 3 \times 10 + 2 \times 1 +$$

$$\frac{4}{10}$$

+

$\frac{4}{100}$

+

$$\frac{9}{1000}$$

$$4 \times 100 + 3 \times 10 + 2 \times 10 +$$

$$\frac{6}{10}$$

+

$\frac{4}{100}$

+

$$\frac{9}{1000}$$

$$4 \times 100 + 3 \times 10 + 2 \times 1 +$$

$$\frac{4}{10}$$

+

$\frac{4}{100}$

+

$$\frac{9}{100}$$

3. 386.225

$$3 \times 100 + 8 \times 100 + 6 \times 10 +$$

$$\frac{2}{10}$$

+

$\frac{2}{10}$

+

$$\frac{5}{1000}$$

$$3 \times 100 + 8 \times 10 + 6 \times 1 +$$

$$\frac{3}{10}$$

+

$\frac{2}{100}$

+

$$\frac{5}{1000}$$

$$3 \times 100 + 8 \times 10 + 6 \times 1 +$$

$$\frac{2}{10}$$

+

$\frac{2}{100}$

+

$$\frac{5}{1000}$$

$$3 \times 100 + 8 \times 10 + 6 \times 1 +$$

$$\frac{2}{10}$$

+

$\frac{2}{100}$

+

$$\frac{5}{100}$$

4. 563.195

$$5 \times 100 + 6 \times 100 + 3 \times 1 +$$

$$\frac{1}{10}$$

+

$\frac{9}{10}$

+

$$\frac{5}{1000}$$

$$5 \times 100 + 6 \times 100 + 3 \times 1 +$$

$$\frac{1}{10}$$

+

$\frac{9}{100}$

+

$$\frac{5}{1000}$$

$$5 \times 100 + 6 \times 10 + 3 \times 1 +$$

$$\frac{1}{10}$$

+

$\frac{9}{100}$

+

$$\frac{5}{1000}$$

$$5 \times 100 + 6 \times 10 + 3 \times 1 +$$

$$\frac{1}{10}$$

+

$\frac{9}{100}$

+

$$\frac{5}{100}$$

5. 624.478

$$6 \times 100 + 2 \times 100 + 4 \times 1 +$$

$$\frac{4}{10}$$

+

$\frac{7}{10}$

+

$$\frac{8}{1000}$$

$$6 \times 100 + 2 \times 10 + 4 \times 1 +$$

$$\frac{4}{10}$$

+

$\frac{7}{100}$

+

$$\frac{8}{1000}$$

$$6 \times 100 + 2 \times 10 + 4 \times 10 +$$

$$\frac{4}{10}$$

+

$\frac{7}{100}$

+

$$\frac{8}{1000}$$

$$6 \times 100 + 2 \times 100 + 4 \times 1 +$$

$$\frac{4}{10}$$

+

$\frac{7}{100}$

+

$$\frac{8}{1000}$$

6. 839.494

$$8 \times 100 + 3 \times 100 + 9 \times 1 +$$

$$\frac{4}{10}$$

+

$\frac{9}{10}$

+

$$\frac{4}{1000}$$

$$8 \times 100 + 3 \times 10 + 9 \times 1 +$$

$$\frac{4}{10}$$

+

$\frac{9}{100}$

+

$$\frac{4}{1000}$$

$$8 \times 100 + 3 \times 10 + 9 \times 10 +$$

$$\frac{4}{10}$$

+

$\frac{9}{10}$

+

$$\frac{4}{1000}$$

$$8 \times 100 + 3 \times 10 + 9 \times 1 +$$

$$\frac{4}{10}$$

+

$\frac{9}{100}$

+

$$\frac{4}{100}$$

7. 82.387

$$8 \times 100 + 2 \times 1 + \frac{3}{10}$$

$\frac{8}{10}$

$$+ \frac{7}{1000}$$

$$8 \times 10 + 2 \times 1 + \frac{3}{10}$$

$\frac{8}{100}$

$$+ \frac{7}{100}$$

$$8 \times 10 + 2 \times 10 + \frac{3}{10}$$

$\frac{8}{100}$

$$+ \frac{7}{1000}$$

$$8 \times 10 + 2 \times 1 + \frac{3}{10}$$

$\frac{8}{100}$

$$+ \frac{7}{1000}$$

8. 68.549

$$6 \times 100 + 8 \times 1 +$$

$$\frac{5}{10}$$

+

$\frac{4}{10}$

+

$$\frac{9}{1000}$$

$$6 \times 10 + 8 \times 1 +$$

$$\frac{5}{10}$$

+

$\frac{4}{100}$

+

$$\frac{9}{100}$$

$$6 \times 10 + 8 \times 1 +$$

$$\frac{5}{10}$$

+

$\frac{4}{100}$

+

$$\frac{9}{1000}$$

$$6 \times 10 + 8 \times 10 +$$

$$\frac{5}{10}$$

+

$\frac{4}{100}$

+

$$\frac{9}{1000}$$

9. 95.364

$$9 \times 100 + 5 \times 1 +$$

$$\frac{3}{10}$$

+

$\frac{6}{10}$

+

$$\frac{4}{1000}$$

$$9 \times 10 + 5 \times 1 +$$

$$\frac{3}{10}$$

+

$\frac{6}{100}$

+

$$\frac{4}{1000}$$

$$9 \times 10 + 5 \times 10 +$$

$$\frac{3}{10}$$

+

$\frac{6}{10}$

+

$$\frac{4}{1000}$$

$$9 \times 10 + 5 \times 1 +$$

$$\frac{3}{10}$$

+

$\frac{6}{10}$

+

$$\frac{4}{100}$$

10. 61.837

$$6 \times 10 + 1 \times 1 +$$

$$\frac{8}{10}$$

+

$\frac{3}{100}$

+

$$\frac{7}{1000}$$

$$6 \times 10 + 1 \times 1 +$$

$$\frac{8}{10}$$

+

$\frac{3}{10}$

+

$$\frac{7}{1000}$$

$$6 \times 10 + 1 \times 10 +$$

$$\frac{8}{10}$$

+

$\frac{3}{100}$

+

$$\frac{7}{1000}$$

$$6 \times 10 + 1 \times 1 +$$

$$\frac{8}{10}$$

+

$\frac{3}{100}$

+

$$\frac{7}{100}$$

Write the given decimal in words.

11. 0.048

- thirty-eight hundredths
- forty-eight
- forty-eight thousandths
- zero and forty-eight hundredths

12. 0.092

- eighty -two hundredths
- ninety -two thousandths
- ninety -two
- zero and ninety -two hundredths

13. 0.064

- zero and sixty-four hundredths
- sixty-four
- sixty-one hundredths
- sixty-four thousandths

14. 0.563

- nine hundred sixty-three
- five hundred sixty-three thousandths
- five hundredths sixty-three
- zero and five hundredths sixty-three

15. 0.824

- Eight hundred twenty-four thousandths
- Eight hundredths twenty-four
- Zero and twenty-four hundredths
- Eight hundredths forty-four hundredths