

**Name:**

**5.NBT.1**

Directions: Solve each problem.

**Find the value of the underlined digit.**

**6,321.89**

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**Find the value of the underlined digit.**

**1,284.75**

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**Which number has a 7 with a value 10 times greater than the 7 in 274.36?**

- a) 3,708.42**
- b) 197.23**

**Which number has a 4 with a value  $\frac{1}{10}$  of the 4 in 15.48?**

- a) 324.61**
- b) 8,052.94**

**Compare the value of the number 3 in the numbers below.**

**4,836.5**

**2,305.19**

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**Name:**

**5.NBT.2**

Directions: Solve each problem.

**Solve each problem and explain the pattern.**

$$4.9 \times 10^1 = \underline{\hspace{2cm}}$$

$$4.9 \times 10^2 = \underline{\hspace{2cm}}$$

$$4.9 \times 10^3 = \underline{\hspace{2cm}}$$

**Solve each problem and explain the pattern.**

$$35 \div 10^1 = \underline{\hspace{2cm}}$$

$$35 \div 10^2 = \underline{\hspace{2cm}}$$

$$35 \div 10^3 = \underline{\hspace{2cm}}$$

$$0.521 \times 10^4 = \underline{\hspace{2cm}}$$

$$418 \times 10^2 = \underline{\hspace{2cm}}$$

$$7.39 \times 10^3 = \underline{\hspace{2cm}}$$

$$9,201 \div 10^2 = \underline{\hspace{2cm}}$$

$$506.7 \div 10^4 = \underline{\hspace{2cm}}$$

$$82.4 \div 10^3 = \underline{\hspace{2cm}}$$

$$908 \div \underline{\hspace{1cm}} = 9.08$$

$$5.72 \times \underline{\hspace{1cm}} = 5,720$$

$$27,413 \div \underline{\hspace{1cm}} = 27.413$$

$$13.28 \times \underline{\hspace{1cm}} = 1,328$$

Name: \_\_\_\_\_

# Powers of 10

CCSS: 5.NBT.A.2

I can explain the relationship in the placement of the decimal point when a decimal is multiplied or divided by powers of 10.

**Solve the following problems.**

1.  $6.23 \times 10^2$

\_\_\_\_\_

2.  $142 \div 10$

\_\_\_\_\_

3.  $586 \times 10^3$

\_\_\_\_\_

4.  $28,931 \div 10^4$

\_\_\_\_\_

5.  $38.274 \times 10^2$

\_\_\_\_\_

6.  $493 \div 10^3$

\_\_\_\_\_

7. Explain how you found the answer to number 5.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Explain how you found the answer to number 6.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name: \_\_\_\_\_

# Powers of 10

CCSS: 5.NBT.A.2

I can explain the relationship in the placement of the decimal point when a decimal is multiplied or divided by powers of 10.

**Solve the following problems.**

1.  $6.23 \times 10^2$

\_\_\_\_\_

2.  $142 \div 10$

\_\_\_\_\_

3.  $586 \times 10^3$

\_\_\_\_\_

4.  $28,931 \div 10^4$

\_\_\_\_\_

5.  $38.274 \times 10^2$

\_\_\_\_\_

6.  $493 \div 10^3$

\_\_\_\_\_

7. Explain how you found the answer to number 5.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Explain how you found the answer to number 6.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Name:**

**5.NBT.3**

Directions: Solve each problem.

**Write the number in expanded form and word form.**

**208.3**

**Expanded:**

**Word:**

**Write the number in expanded form and word form.**

**16.794**

**Expanded:**

**Word:**

**Write  $>$ ,  $<$ , or  $=$  to compare the numbers.**

**19.04** ○ **19.4**

**827.31** ○ **827.13**

**4.59** ○ **4.6**

**Write  $>$ ,  $<$ , or  $=$  to compare the numbers.**

**745** ○ **745**

**63.14** ○ **64.14**

**98.2** ○ **98.21**

**Write the number in expanded form and word form.**

**591.627**

**Expanded:**

**Word:**

Name: \_\_\_\_\_

# Read & Write Decimals

CCSS: 5.NBT.3

I can read and write decimals to the thousandths place.

- Read the following numbers aloud to your partner.
- Make sure you use the words tenths, hundredths, and thousandths while reading.
- Give your partner a check mark beside the number when they read the number correctly.

1) 284.3

4) 634.285

2) 34.59

5) 1,634.374

3) 938.106

6) 6,491.077

Directions: Write the following decimals in expanded form.

Example:  $426.835 = 4 \times 100 + 2 \times 10 + 6 \times 1 + 8 \times (1/10) + 3 \times (1/100) + 5 \times (1/1000)$

1)  $359.2 =$  \_\_\_\_\_

\_\_\_\_\_

2)  $54.38 =$  \_\_\_\_\_

\_\_\_\_\_

3)  $927.601 =$  \_\_\_\_\_

\_\_\_\_\_

4)  $302.935 =$  \_\_\_\_\_

\_\_\_\_\_

5)  $413.053 =$  \_\_\_\_\_

\_\_\_\_\_

6)  $7,398.436 =$  \_\_\_\_\_

\_\_\_\_\_

Name: \_\_\_\_\_

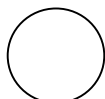
# Compare Decimals

CCSS: 5.NBT.3

I can compare decimals to the thousandths place.

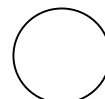
Directions: Use  $>$ ,  $<$ , and  $=$  to compare the following numbers.

1.38



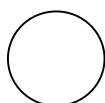
1.30

6.800



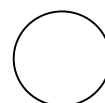
6.8

4.001



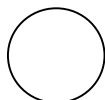
4.2

3.54



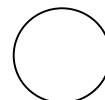
3.45

2.323



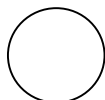
2.323

8.9



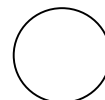
9

1.1



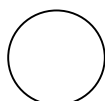
1.021

5.7



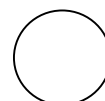
5.07

9.89



9.98

0.65



0.7



**Name:**

**5.NBT.4**

Directions: Solve each problem.

**Round each number to the nearest whole number.**

**84.5** \_\_\_\_\_

**103.48** \_\_\_\_\_

**6,259.73** \_\_\_\_\_

**Round each number to the nearest tenth.**

**425.16** \_\_\_\_\_

**92.34** \_\_\_\_\_

**863.29** \_\_\_\_\_

**Round each number to the nearest hundredth.**

**527.286** \_\_\_\_\_

**3.254** \_\_\_\_\_

**76.159** \_\_\_\_\_

**Round the number to each place.**

**754.867**

**Whole number:** \_\_\_\_\_

**Tenths:** \_\_\_\_\_

**Hundredths:** \_\_\_\_\_

**Round the number to each place.**

**2,467.359**

**Whole number:** \_\_\_\_\_

**Tenths:** \_\_\_\_\_

**Hundredths:** \_\_\_\_\_

Name: \_\_\_\_\_

# Rounding Decimals

CCSS: 5.NBT.4

I can use place value understanding to round decimals to any place.

Directions: Round to the nearest tenth, hundredth, and thousandth.

1.5246

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

6.5627

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

9.9564

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

22.3581

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

49.0217

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

64.4092

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

375.7296

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

299.9501

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

732.4629

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

2,947.8104

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

3,098.8723

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

8,241.3736

Tenth: \_\_\_\_\_

Hundredth: \_\_\_\_\_

Thousandth: \_\_\_\_\_

**Name:**

**5.NBT.5**

Directions: Solve each problem.

$$\begin{array}{r} 45 \\ \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} 247 \\ \times 36 \\ \hline \end{array}$$

$$\begin{array}{r} 961 \\ \times 53 \\ \hline \end{array}$$

$$\begin{array}{r} 5,904 \\ \times 82 \\ \hline \end{array}$$

**A grocery store orders 2,847 pounds of bananas each month. How many pounds of bananas do they order in 16 months?** \_\_\_\_\_

Name: \_\_\_\_\_

# Multiplication

CCSS: 5.NBT.5

I can fluently multiply multi-digit whole numbers using the standard algorithm.

$$\begin{array}{r} 1. \ 625 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \ 403 \\ \times 26 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \ 920 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \ 2,854 \\ \times 38 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \ 6,093 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \ 46 \\ \times 57 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \ 4921 \\ \times 73 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \ 289 \\ \times 76 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \ 413 \\ \times 60 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \ 94 \\ \times 48 \\ \hline \end{array}$$

**Name:**

**5.NBT.6**

Directions: Solve each problem.

$$1,274 \div 49 = \underline{\quad}$$

$$442 \div 17 = \underline{\quad}$$

$$38 \overline{) 2,470}$$

$$43 \overline{) 688}$$

**Farmer Bob harvested 6,192 bushels of wheat. If each acre produced 72 bushels, how many acres did Bob harvest?**

\_\_\_\_\_

Name: \_\_\_\_\_

## Dividing Whole Numbers

CCSS: 5.NBT.6

I can find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors.

Find each quotient.

1)  $34 \overline{)6,290}$

2)  $17 \overline{)3,536}$

3)  $28 \overline{)8,708}$

4)  $83 \overline{)5,146}$

5)  $51 \overline{)2,142}$

6)  $77 \overline{)1,848}$

Name: \_\_\_\_\_

## Dividing Whole Numbers

CCSS: 5.NBT.6

I can find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors.

Find each quotient.

1)  $98 \overline{)2,093}$

2)  $38 \overline{)4,163}$

3)  $27 \overline{)1,960}$

4)  $56 \overline{)5,105}$

5)  $67 \overline{)8,325}$

6)  $63 \overline{)6,550}$

**Name:**

**5.NBT.7**

Directions: Solve each problem.

$$29.04 + 36.17 = \underline{\hspace{2cm}}$$

$$57.2 \times 4.6 = \underline{\hspace{2cm}}$$

$$95.23 - 75.84 = \underline{\hspace{2cm}}$$

$$35.26 \div 8.2 = \underline{\hspace{2cm}}$$

$$63.45 + 31.93 = \underline{\hspace{2cm}}$$

$$74.2 \times 50.1 = \underline{\hspace{2cm}}$$

$$148.62 - 67.85 = \underline{\hspace{2cm}}$$

$$827.45 \div 6.7 = \underline{\hspace{2cm}}$$

**Elizabeth has \$70.63. She goes grocery shopping and spends \$56.79. How much money does Elizabeth have left after grocery shopping?**

**\_\_\_\_\_**



Name: \_\_\_\_\_

## Adding Decimals

CCSS: 5.NBT.7

I can add, subtract, multiply, and divide decimals to hundredths.

Find each sum.

1)  $46+58.68=$

2)  $16.8+35.13=$

3)  $7.2+18.04=$

4)  $85.16+12.9=$

5)  $28.46+63=$

6)  $70.30+14.94=$

7)  $52.87+91.45=$

8)  $8.19+0.62=$

9)  $44.08+26.04=$

10)  $16+88.52=$

Name: \_\_\_\_\_

## Subtracting Decimals

CCSS: 5.NBT.7

I can add, subtract, multiply, and divide decimals to hundredths.

Find each difference.

1)  $48 - 6.28 =$

2)  $70.3 - 19.27 =$

3)  $24 - 9.54 =$

4)  $65.18 - 6.29 =$

5)  $97.21 - 38.4 =$

6)  $74.06 - 19.8 =$

7)  $31 - 26.83 =$

8)  $11.59 - 6.86 =$

9)  $63.3 - 58.64 =$

10)  $81.05 - 48.96 =$

Name: \_\_\_\_\_

# Multiplying Decimals

CCSS: 5.NBT.7

I can add, subtract, multiply, and divide decimals to hundredths.

Find each product.

$$\begin{array}{r} 1) \quad 37.6 \\ \times \quad 5.23 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 48.4 \\ \times \quad 36.7 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 9.6 \\ \times \quad 3.8 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 12.4 \\ \times \quad 51.2 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 60.03 \\ \times \quad 57 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 28.16 \\ \times \quad 4.09 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 194 \\ \times \quad 7.6 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 4.13 \\ \times \quad 8.6 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 33.08 \\ \times \quad 5.78 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 59.6 \\ \times \quad 4.9 \\ \hline \end{array}$$

Name: \_\_\_\_\_

## Dividing Decimals

CCSS: 5.NBT.7

I can add, subtract, multiply, and divide decimals to hundredths.

Find each quotient.

1)  $0.7 \overline{)2.45}$

2)  $1.2 \overline{)40.8}$

3)  $0.24 \overline{)8.76}$

4)  $1.6 \overline{)21.76}$

5)  $3.2 \overline{)9.984}$

6)  $0.53 \overline{)37.63}$

**Name:**

**NBT Test**

**Number & Operations in Base Ten Test**

**5.NBT.1**

Which number has a 5 with a value 10 times greater than the 5 in 345.29?

- a) 4,645.71
- b) 851.36

**5.NBT.1**

Which number has a 8 with a value 1/10 of the 8 in 157.82?

- a) 741.98
- b) 2,658.13

**5.NBT.2**

Solve each problem and explain the pattern.

$$5.82 \times 10^1 = \underline{\hspace{2cm}}$$

$$5.82 \times 10^2 = \underline{\hspace{2cm}}$$

$$5.82 \times 10^3 = \underline{\hspace{2cm}}$$

**5.NBT.2**

Solve each problem and explain the pattern.

$$149.3 \div 10^1 = \underline{\hspace{2cm}}$$

$$149.3 \div 10^2 = \underline{\hspace{2cm}}$$

$$149.3 \div 10^3 = \underline{\hspace{2cm}}$$

**5.NBT.3**

Write the number in expanded form and word form.

**7.462**

**Expanded:**

**Word:**

**5.NBT.3**

Write  $>$ ,  $<$ , or  $=$  to compare the numbers.

$$461.8 \quad \bigcirc \quad 416.9$$

$$135.40 \quad \bigcirc \quad 135.4$$

$$289.68 \quad \bigcirc \quad 289.7$$

**Name:**

**NBT Test**

**Number & Operations in Base Ten Test**

**5.NBT.4**

Round the number to each place.

**3,086.157**

Whole number: \_\_\_\_\_

Tenths: \_\_\_\_\_

Hundredths: \_\_\_\_\_

**5.NBT.5**

$$\begin{array}{r} 356 \\ \times 47 \\ \hline \end{array}$$

**5.NBT.5**

$$\begin{array}{r} 4,958 \\ \times 26 \\ \hline \end{array}$$

**5.NBT.6**

$$34 \overline{)578}$$

**5.NBT.6**

$$68 \overline{)2,924}$$

**5.NBT.7**

$$37.65 + 49.72 = \underline{\hspace{2cm}}$$

$$203.49 - 78.56 = \underline{\hspace{2cm}}$$

$$85.3 \times 24.6 = \underline{\hspace{2cm}}$$

$$462.96 \div 7.2 = \underline{\hspace{2cm}}$$