

**Fifth Grade Test**

Name \_\_\_\_\_ Teacher \_\_\_\_\_ Date \_\_\_\_\_

**5.NBT.1 Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and  $\frac{1}{10}$  of what it represents in the place to its left.**

1. What are the values of the underlined digits in  $54,\underline{2}07$ ?

- a.  $400 + 20$       b.  $4000 + 200$       c.  $400 + 200$       d.  $4000 + 20$

2. What is the quantity represented by the underlined digits in  $3,6\underline{1}8$ ?

- a.  $10 + 8$       b.  $100 + 80$       c.  $10 + 80$

**5.NBT.2 Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.**

3. Which of the following solves the equation  $2.5 \times 10^3 = ?$

- a.  $2.5 \times (10 \times 10 \times 10) = 2.5 \times 1,000 = 2,500$   
b.  $2.5 \times (10 \times 10) = 2.5 \times 100 = 250$

4. Which of the following explains what the exponent 4 means?

- a. divide by 4  
b. multiply by 4 ten times  
c. multiply by 10 four times  
d. divide by 10 four times

**5.NBT.3(a) Read and write decimals to thousandths using base-ten numerals, number names, and expanded form.**

5. Which is the word form for the decimal number 0.138?

- a. one hundred thirty-eighths  
b. one hundred thirty-eight hundredths  
c. one hundred thirty-eight thousandths

6. Which is the expanded form of the decimal number 6.035?

a.  $6 + \frac{0}{10} + \frac{3}{100} + \frac{5}{1000}$

b.  $\frac{6}{10} + \frac{3}{100} + \frac{5}{1000}$

c.  $6 + \frac{3}{10} + \frac{5}{100}$

7. What is the place value of the underlined digit in the decimal 0.567?

a. tenths

b. hundredths

c. thousandths

**5.NBT.3(b)** Compare two decimals to thousandths based on meanings of the digits in each place, using  $>$ ,  $=$ , and  $<$  symbols to record the results of comparisons.

Compare the following numbers using the symbols,  $<$ ,  $>$ , and  $=$ .

8.  $2.058 \bigcirc 2.058$

a.  $=$     b.  $<$     c.  $>$

9.  $1.010 \bigcirc 1.001$

a.  $=$     b.  $<$     c.  $>$

10.  $0.24 \bigcirc 0.27$

a.  $=$     b.  $<$     c.  $>$

11.  $2.40 \bigcirc 2.04$

a.  $=$     b.  $<$     c.  $>$

**5.NBT.4** Use place value understanding to round decimals to any place.

Round each decimal to the nearest tenth.

12. 0.134

13. 0.485

a. 0.100    b. 0.200

a. 0.400    b. 0.500

Round each decimal to the nearest hundredth.

14. 0.514

15. 0.362

a. 0.510    b. 0.610

a. 0.360    b. 0.370

Round each decimal to the nearest thousandth.

**16.** 2.3814

**17.** 3.7625

**a.** 2.382      **b.** 2.381

**a.** 3,762      **b.** 3.763

**5.NBT.5 Fluently Multiply multi-digit whole numbers using the standard algorithm.**

Multiply.

**18.** 
$$\begin{array}{r} 615 \\ \times 8 \\ \hline \end{array}$$

**19.** 
$$\begin{array}{r} 3,815 \\ \times 4 \\ \hline \end{array}$$

**a.** 4,840      **b.** 4,920

**a.** 15,260      **b.** 14,240

**20.** 
$$\begin{array}{r} 72 \\ \times 48 \\ \hline \end{array}$$

**21.** 
$$\begin{array}{r} 59 \\ \times 12 \\ \hline \end{array}$$

**a.** 864      **b.** 3,456

**a.** 708      **b.** 177

**5NBT.6 Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division.**

Divide.

**22.**  $160 \div 8 = n$       **a.** 20      **b.** 30

**23.**  $3 \overline{)1,674}$       **a.** 557      **b.** 558

**24.**  $15 \overline{)255}$       **a.** 17      **b.** 11

**5NBT.7 Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.**

**25.** Identify the correct placement of the decimal point in the following multiplication calculation.

$$\begin{array}{r} 0.05 \\ \times 0.02 \\ \hline \end{array}$$

**a.** 0.001

**b.** 0.010

Solve.

**26.**  $252 \div 7 =$

**a.** 35

**b.** 34 R3

**c.** 36

**27.**  $425 \div 21 =$

**a.** 20 R5

**b.** 25

**c.** 21 R5

**28.**  $1.732 + 5.6 =$

**a.** 0.1788

**b.** 7.332

**c.** 6.332

**29.**  $16.3 - 4.25 =$

**a.** 3.42

**b.** 20.05

**c.** 12.05

**30.**  $37 \times 2.89 =$

**a.** 106.93

**b.** 10.693

**c.** 1,069.3

**Answer Key for Fifth Grade Test**  
**Number and Operations in Base Ten**

<b>Standard</b>	<b>Answer</b>
<b>5.NBT.1</b>	<b>1. b</b>
	<b>2. a</b>
<b>5.NBT.2</b>	<b>3. a</b>
	<b>4. c</b>
<b>5.NBT.3(a)</b>	<b>5. c</b>
	<b>6. a</b>
	<b>7. b</b>
<b>5.NBT.3(b)</b>	<b>8. a</b>
	<b>9. c</b>
	<b>10. b</b>
	<b>11. c</b>
<b>5.NBT.4</b>	<b>12. a</b>
	<b>13. b</b>
	<b>14. a</b>
	<b>15. a</b>
	<b>16. b</b>
<b>5.NBT.5</b>	<b>17. b</b>
	<b>18. b</b>
	<b>19. a</b>
	<b>20. b</b>
<b>5.NBT.6</b>	<b>21. a</b>
	<b>22. a</b>
	<b>23. b</b>
	<b>24. a</b>
<b>5.NBT.7</b>	<b>25. a</b>
	<b>26. c</b>
	<b>27. a</b>
	<b>28. b</b>
	<b>29. c</b>
	<b>30. a</b>

1.  $\alpha$   $\beta$   $\chi$   $\delta$

16.  $\alpha$   $\beta$

2.  $\alpha$   $\beta$   $\chi$

17.  $\alpha$   $\beta$

3.  $\alpha$   $\beta$

18.  $\alpha$   $\beta$

4.  $\alpha$   $\beta$   $\chi$   $\delta$

19.  $\alpha$   $\beta$

5.  $\alpha$   $\beta$   $\chi$

20.  $\alpha$   $\beta$

6.  $\alpha$   $\beta$   $\chi$

21.  $\alpha$   $\beta$

7.  $\alpha$   $\beta$   $\chi$

22.  $\alpha$   $\beta$

8.  $\alpha$   $\beta$   $\chi$

23.  $\alpha$   $\beta$

9.  $\alpha$   $\beta$   $\chi$

24.  $\alpha$   $\beta$

10.  $\alpha$   $\beta$   $\chi$

25.  $\alpha$   $\beta$

11.  $\alpha$   $\beta$   $\chi$

26.  $\alpha$   $\beta$

12.  $\alpha$   $\beta$

27.  $\alpha$   $\beta$   $\chi$

13.  $\alpha$   $\beta$

28.  $\alpha$   $\beta$   $\chi$

14.  $\alpha$   $\beta$

29.  $\alpha$   $\beta$   $\chi$

15.  $\alpha$   $\beta$

30.  $\alpha$   $\beta$   $\chi$