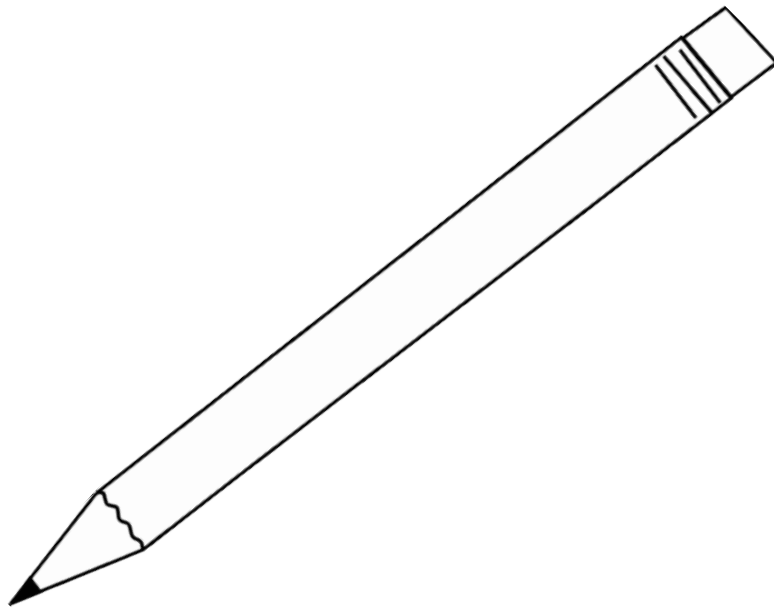


Number Sense

Math Check

6th Grade

for pre and post assessment



Name: _____

6th Grade Number Sense

Understand the place value system.

358,091,100.702

Write the number in word form.

Write the number in expanded form.

7,028,483,029.0004

Write the number in word form.

Write the number in expanded form.

Understand the place value system.

Write the value of the underlined number.

436.473

7,029,748.602

83,59.2003

Use place value understanding to round numbers to any given place value.

Round each number to the given place value.

7,392.008

thousands	ones
tenth	hundredth

Compare two numbers using $>$, $=$, and $<$ symbols.

$$82,482.84 \quad \underline{\hspace{1cm}} \quad 802,482.84$$

$$703.21 \quad \underline{\hspace{1cm}} \quad 703.201$$

$$800.005 \quad \underline{\hspace{1cm}} \quad 800.005$$

$$32,988.743 \quad \underline{\hspace{1cm}} \quad 32.988.7430$$

Compare the values using $>$, $=$, and $<$ symbols.

$$582 \times 10 \quad \underline{\hspace{1cm}} \quad 58.2 \times 100$$

$$802 \times 274 \quad \underline{\hspace{1cm}} \quad 643 \times 299$$

$$442 \div 34 \quad \underline{\hspace{1cm}} \quad 448 \div 16$$

$$608 \div 19 \quad \underline{\hspace{1cm}} \quad 224 \div 8$$

Use place value understanding to compare decimals and fractions.

Circle the greater number in each pair.

$$\frac{2}{11}$$

$$\frac{1}{4}$$

$$4\frac{1}{2}$$

$$\frac{9}{3}$$

$$5.52$$

$$5\frac{3}{5}$$

$$4.09$$

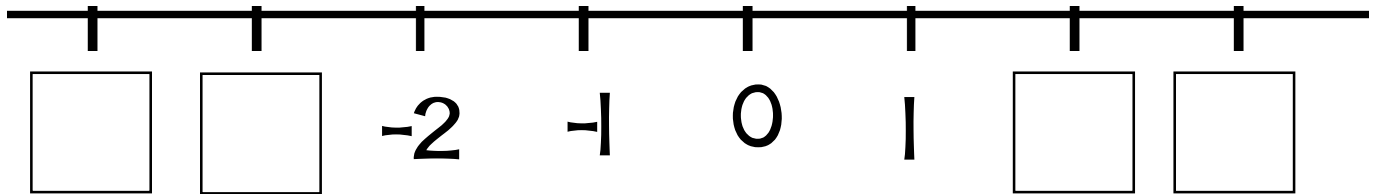
$$4\frac{1}{9}$$

$$3\frac{7}{10}$$

$$3.17$$

Understand Integers.

Complete the number line.



Compare two integers using $>$, $=$, and $<$ symbols.

$$-6 \underline{\hspace{1cm}} 6$$

$$4 \underline{\hspace{1cm}} 0$$

$$-4 \underline{\hspace{1cm}} 0$$

$$13 \underline{\hspace{1cm}} -13$$

$$8 \underline{\hspace{1cm}} -6$$

$$-26 \underline{\hspace{1cm}} 14$$

Answer Key

6th Grade Number Sense

Understand the place value system.

358,091,100.702

Write the number in word form.

three hundred fifty-eight million, ninety-one thousand, one hundred and seven hundred two thousandths

Write the number in expanded form.

$300,000,000 + 50,000,000 + 8,000,000 + 90,000 + 1,000 + 100 + .7 + .002$

7,028,483,029.0004

Write the number in word form.

seven billion, twenty-eight million, four hundred eighty-three million, twenty-nine and four ten-thousandths

Write the number in expanded form.

$7,000,000,000 + 20,000,000 + 8,000,000 + 400,000 + 80,000 + 3,000 + 20 + 9 + .004$

Answer Key

Understand the place value system.

Write the value of the underlined number.

436.473 .07

7,029,748.602 9,000

83,59.2003 .0003

Use place value understanding to round numbers to any given place value.

Round each number to the given place value.

7,392.008

thousands 7,000	ones 7,392
tenth 7,392.0	hundredth 7,392.01

Answer Key

Compare two numbers using $>$, $=$, and $<$ symbols.

$$82,482.84 \underline{<} 802,482.84$$

$$703.21 \underline{>} 703.201$$

$$800.005 \underline{=} 800.005$$

$$32,988.743 \underline{=} 32.988.7430$$

Compare the values using $>$, $=$, and $<$ symbols.

$$582 \times 10 \underline{=} 58.2 \times 100$$

$$802 \times 274 \underline{>} 643 \times 299$$

$$442 \div 34 \underline{<} 448 \div 16$$

$$608 \div 19 \underline{>} 224 \div 8$$

Answer Key

Use place value understanding to compare decimals and fractions.

Circle the greater number in each pair.

$\frac{2}{11}$	$\frac{1}{4}$
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$4\frac{1}{2}$	$\frac{9}{3}$
----------------	---------------

5.52	$5\frac{3}{5}$
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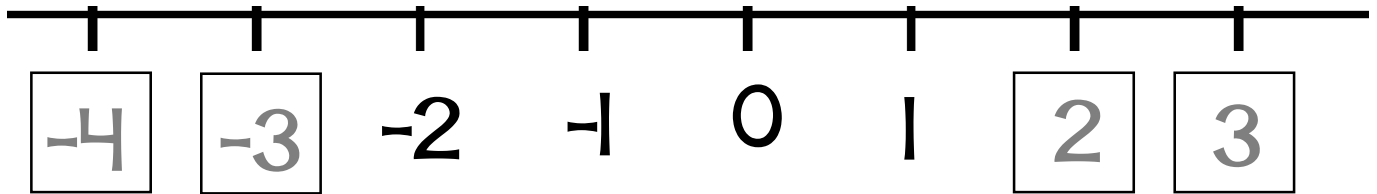
4.09	$4\frac{1}{9}$
------	----------------

$3\frac{7}{10}$	3.17
-----------------	------

Answer Key

Understand Integers.

Complete the number line.



Compare two integers using $>$, $=$, and $<$ symbols.

$$-6 \underline{\quad} < \quad 6$$

$$4 \underline{\quad} > \quad 0$$

$$-4 \underline{\quad} < \quad 0$$

$$13 \underline{\quad} > \quad -13$$

$$8 \underline{\quad} > \quad -6$$

$$-26 \underline{\quad} < \quad 14$$