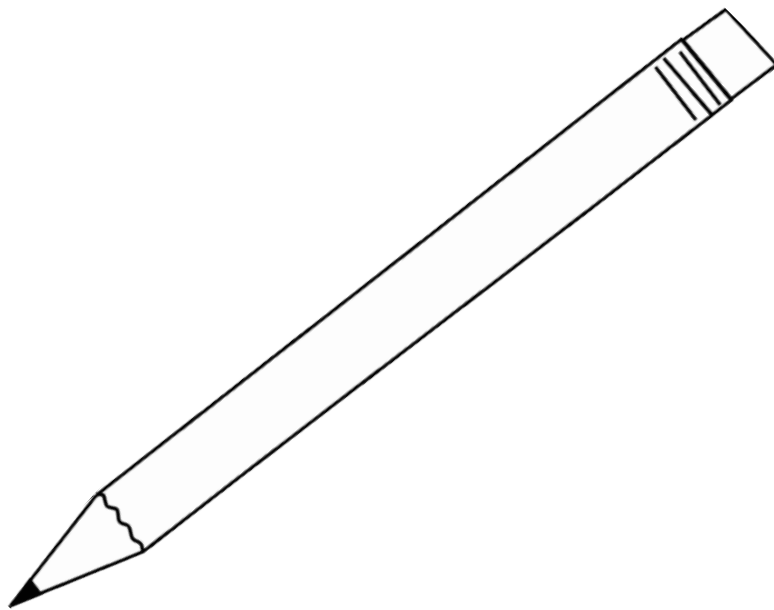# Number Sense

Math Check

4th Grade

for pre and post assessment

4th Grade Number Sense

Read and write whole numbers up to 1,000,000.

739,402

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

Write the value of the underlined number.

35<u>9</u>,748 _____

<u>7</u>16,529 _____

Compare two whole numbers up to 1,000,000 using >, =, and < symbols.

208,625 _____ 280,625   492,153 _____ 492,135

609,128 _____ 690,128   832,783 _____ 832,783

Write whole numbers as fractions. Find fractions that are equivalent to whole numbers. Name and write mixed numbers using objects or pictures. Name and write mixed numbers as improper fractions using objects or pictures.

Write the number 7 as a fraction.

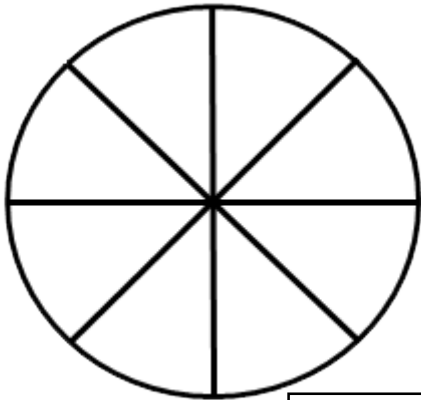Color the boxes to show the fractions that are equivalent to 6.

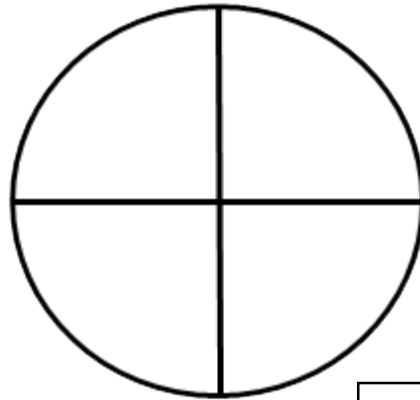| $\frac{12}{2}$	$\frac{36}{6}$	$\frac{18}{6}$	$\frac{42}{2}$	$\frac{24}{4}$

Draw a picture to show 2 ½.

Write 4 ¾ as an improper fraction.

Use fraction models to show equivalent fractions. Find and write equivalent fractions.

Color $\frac{1}{4}$ of each circle.

Name the fraction: ☐

Name the fraction: ☐

List two fractions that are equivalent to each fraction listed below.

$\frac{2}{5}$ ☐ ☐

$\frac{1}{3}$ ☐ ☐

Compare two fractions with different numerators and denominators using <, =, or >.

$\frac{3}{4}$ ☐ $\frac{3}{8}$

$\frac{1}{3}$ ☐ $\frac{5}{6}$

$\frac{2}{3}$ ☐ $\frac{4}{5}$

$\frac{1}{2}$ ☐ $\frac{2}{4}$

Use words, models, standard form and expanded form to represent decimal numbers to hundredths.

.7

Write the number in word form.	Draw a model to show the number.
Write the number in expanded form.	

.51

Write the number in word form.	Draw a model to show the number.
Write the number in expanded form.	

Compare two decimals to hundredths. Use >, =, or < to compare the numbers.

.7 _____ .07   1.3 _____ 2.3

.1 _____ .11   2.8 _____ 2.80

Find all factor pairs for a whole number between 1 and 100. Determine if a whole number between 1 and 100 is a multiple of a given one-digit number.

Color the factor pairs for 24.

3 x 4	6 x 4	12 x 2
8 x 3	7 x 3	5 x 4

Is 28 a multiple of 4?
Show how you know.

Is 34 a multiple of 4?
Show how you know.

Use place value understanding to round multi-digit whole numbers to any given place value.

Round each number to the given place value.

283,921

hundred-thousand	ten-thousand
thousand	hundred

773,208

hundred-thousand	ten-thousand
thousand	hundred

Answer Key
4th Grade Number Sense

Read and write whole numbers up to 1,000,000.

739,402

Write the number in word form.
seven hundred thirty-nine thousand, four hundred two
Write the number in expanded form.
700,000 + 30,000 + 9,000 + 400 + 2

Write the value of the underlined number.

35<u>9</u>,748 ___9,000___

<u>7</u>16,529 ___700,000___

Compare two whole numbers up to 1,000,000 using >, =, and < symbols.

208,625 _<_ 280,625   492,153 _>_ 492,135

609,128 _<_ 690,128   832,783 _=_ 832,783

Answer Key

Write whole numbers as fractions. Find fractions that are equivalent to whole numbers. Name and write mixed numbers using objects or pictures. Name and write mixed numbers as improper fractions using objects or pictures.

Write the number 7 as a fraction.

$$\frac{7}{1}$$

Color the boxes to show the fractions that are equivalent to 6.

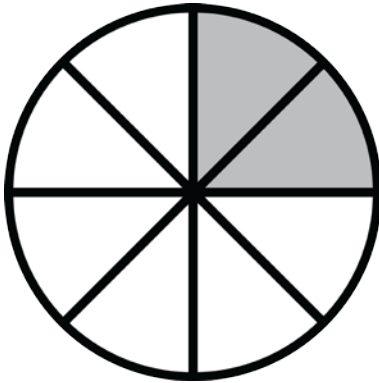| $\frac{12}{2}$	$\frac{36}{6}$	$\frac{18}{6}$	$\frac{42}{2}$	$\frac{24}{4}$
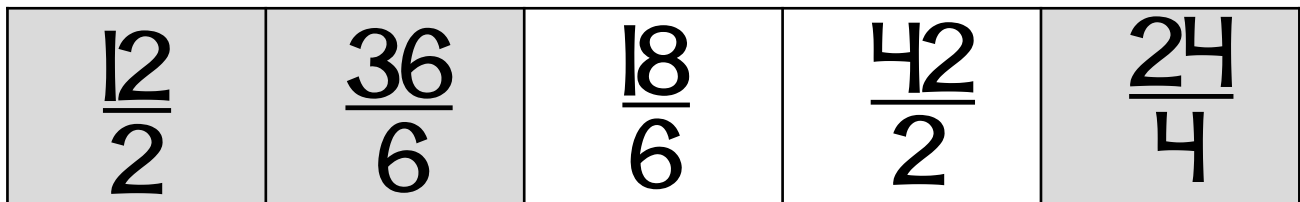
Draw a picture to show 2 ½.

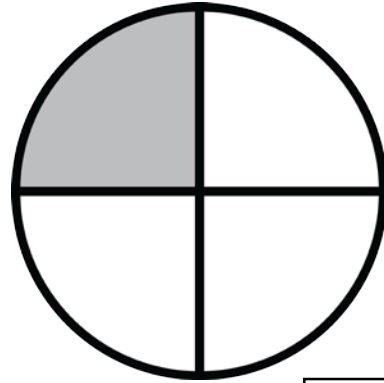**Write 4 ¼ as an improper fraction.**

$$\frac{17}{4}$$

Answer Key

Use fraction models to show equivalent fractions. Find and write equivalent fractions.

Color ¼ of each circle.

Name the fraction:
$$\frac{2}{8}$$

Name the fraction:
$$\frac{1}{4}$$

List two fractions that are equivalent to each fraction listed below.

$$\frac{2}{5}$$
$$\frac{1}{10}$$
$$\frac{3}{15}$$

other answers possible

$$\frac{1}{3}$$
$$\frac{2}{6}$$
$$\frac{3}{9}$$

Answer Key

Compare two fractions with different numerators and denominators using <, =, or >.

$$\frac{3}{4} \quad \boxed{>} \quad \frac{3}{8}$$

$$\frac{1}{3} \quad \boxed{>} \quad \frac{1}{6}$$

$$\frac{2}{3} \quad \boxed{<} \quad \frac{4}{5}$$

$$\frac{1}{2} \quad \boxed{=} \quad \frac{2}{4}$$

Answer Key

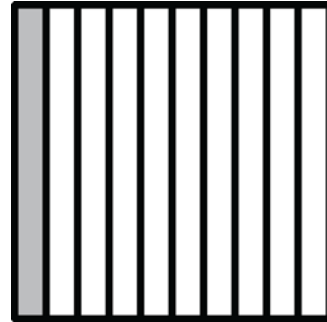**Use words, models, standard form and expanded form to represent decimal numbers to hundredths.**

.7

Write the number in word form.	Draw a model to show the number.
seven tenths	
Write the number in expanded form.	
.7	

.51

Write the number in word form.	Draw a model to show the number.
fifty-one hundredths	
Write the number in expanded form.	
.5 + .01	
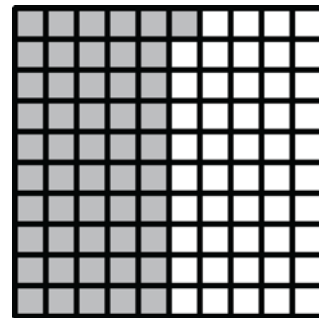
Compare two decimals to hundredths. Use >, =, or < to compare the numbers.

.7 __>__ .07   1.3 __<__ 2.3

.1 __<__ .11   2.8 __=__ 2.80

Answer Key

Find all factor pairs for a whole number between 1 and 100. Determine if a whole number between 1 and 100 is a multiple of a given one-digit number.

Color the factor pairs for 24.

3 x 4	6 x 4	12 x 2
8 x 3	7 x 3	5 x 4

Is 4 a multiple of 28?
Show how you know.

Yes – because 4 x 7 = 28
Might show a picture of 28 squares divided into groups of 4

Is 4 a multiple of 34?
Show how you know.

No – because 34 cannot be evenly divided into groups of 4

Answer Key

Use place value understanding to round multi-digit whole numbers to any given place value.

Round each number to the given place value.

283,921

hundred-thousand	ten-thousand
300,000	280,000
thousand	**hundred**
284,000	283,900

773,208

hundred-thousand	ten-thousand
800,000	770,000
thousand	**hundred**
773,000	773,200