

## UNIT 10 Statistics

## Alaskan Math Standards (GLE's) for This Unit

These Alaskan math standards underly the language development of the unit. Many of these standards are addressed during the regular math program and in the concrete introduction of the key vocabulary words for the unit.

## The student demonstrates understanding of position and direction by:

[7] G-8 graphing or identifying values of variables on a coordinate grid (M5.3.6)

The student demonstrates an ability to analyze data (comparing, explaining, interpreting, evaluating or making predictions; or drawing or justifying conclusions) by:
[7] S\&P-2 using information from a variety of displays (e.g., as found in graphical displays in newspapers and magazines) (M6.3.2)
[7] S\&P-3 determining range, mean, median, or mode (M6.3.3)

## The student demonstrates an ability to problem solve by:

[7] PS-1 selecting, modifying, and applying a variety of problem-solving strategies (e.g., working backwards, drawing a picture, Venn diagrams and verifying the results) (M7.3.2)
[7] PS-2 evaluating, interpreting, and justifying solutions to problems (M7.3.3)

## The student demonstrates an ability to classify and organize data by:

[7] S\&P-1 [collecting, L] displaying, organizing, or explaining the classification of data in realworld problems (e.g., science or humanities, peers or community), using circle graphs, frequency distributions, stem and leaf, [or scatter plots L] with appropriate scale (M6.3.1)

## Alaskan Language Standards (GLE's) for This Unit

AK.R.3.1. Reading: The student uses strategies to decode or comprehend the meaning of words in texts. (E.B.1)
[7] 3.2.2. Reading aloud short factual information (e.g., reports, articles) (L)
AK.R.3.3. Reading: The student restates/summarizes and connects information. (E.B.3)
AK.R.3.5. Reading: The student follows written directions. (E.C.2)
[7] 3.5.1. Completing a task by following written, multi-step directions (e.g., answer a multifaceted text question) (L)
[7] 3.5.2. Identifying the sequence of steps in a list of directions (e.g., what is the first step, what is the second step)
[7] 3.3.4. Applying rules of capitalization (e.g., titles and proper nouns)
AK.W.3.4. Writing: The student revises writing. (E.A.5, E.A.8)

## AK.E.A. A student should be able to speak and write well for a variety of purposes and audiences. A student who meets the content standard should:

E.A.1. Apply elements of effective writing and speaking. These elements include ideas, organization, vocabulary, sentence structure, and personal style.
E.A.2. In writing, demonstrate skills in sentence and paragraph structure, including grammar, spelling, capitalization, and punctuation.
E.A.3. In speaking, demonstrate skills in volume, intonation, and clarity.

## INTRODUCTION OF

 MATH VOCABULARY
## Measurement

## Concrete Introduction of Key Vocabulary

Note: A vocabulary graphic is provided in this unit for each of the key words.
Definitions for all of the key words can be found in the glossary at the back of this program.


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# VOCABULARY PICTURES 



## COMBINATIONS



## LINE GRAPH

# 12344456789 

## MODE



## RANGE

## 101

## 50 <br> 

## 75

84

## MEAN

## $3,5,7,12,13,14,21,23$

## MEDIAN



## AXIS



## PARABOLA



## (TO) PLOT



## LANGUAGE ACTIVITIES

## Language and Skills Development

## LISTENING

Review the key math words introduced in this unit. If the vocabulary pictures were not presented during the introduction, show them to the students at this time.


## Mini Pictures

Provide each student with a copy of the mini-pictures page from the Student Support Materials. When you say the key words, the students must find the pictures for them. Then, have the students cut out the pictures. Say the keywords and the students should hold up the pictures for them.

## Number That Word

Mount the vocabulary graphics on the board. Provide each student with three blank flashcards. Each student should write the numbers 1, 2, and 3 on his/her cards - one number per card. Point to one of the vocabulary graphics. Then, say three vocabulary words. Each student should show the number card that matches the picture you pointed to. Repeat with other graphics and vocabulary words.

## Back-to-Back Race

Have two pairs of students stand in the center of the classroom. The students in each pair should stand back-to-back with arms interlocked. Lay the vocabulary illustrations on the floor in a scattered form. Say one of the vocabulary words. The two pairs of students must then race to the illustration for the vocabulary word you said without unlocking their arms. The first pair to reach the correct illustration wins the round. Repeat with other pairs of students.

## Airplane Land

Scatter the vocabulary pictures on the floor. Have the students sit in a large circle around the pictures. Prepare two paper airplanes. Give the airplanes to two students. Say one of the vocabulary words. The students should toss their airplanes, attempting to land them on the picture for the vocabulary word you said. Repeat until all students have participated.

## Language and Skills Development

## Fanball

Tape the vocabulary pictures to the floor and group the students around them. Give a "hand fan" and an inflated balloon to two students. Say one of the vocabulary words. The two students should then use their fans to move the balloons to the picture that represents the vocabulary word you said. The first player to fan his/her balloon over the correct picture wins the round. Repeat.

## Circle Hop

Scatter the vocabulary pictures on the floor. Using masking tape, make a circle around each picture. Have two or more students stand in the center of the classroom. Say one of the vocabulary words. The students should then hop to the circle which contains the picture that represents the vocabulary word you said. Then, remove the picture from the circle and say another vocabulary word. Continue until all the pictures have been removed from the floor. The students must remember where the graphics were in order to hop to the correct masking tape circles.

## Language and Skills Development

 SPEAKING


#### Abstract

Illustration Build-Up Mount the vocabulary illustrations on the chalkboard. Point to two of the illustrations. The students should then say the vocabulary words for those two illustrations. Then, point to another illustration. The students should repeat the first two vocabulary words and then say the vocabulary word for the third illustration you pointed to. Continue in this way until the students lose the sequence of words.


## Picture Bingo

Give the students the mini pictures used earlier. Each student should place them face down on his/her desk. Then, have each student turn one picture face up. Say a vocabulary word. Any student or students who have the picture for that word face up must say a complete sentence using that vocabulary word. Those pictures should then be put to the side and other pictures turned over. Continue in this way until a student or students have no pictures left on their desks.

## Centered Speaker

Group the students into two teams of equal numbers. The two teams should stand, facing one another, about ten feet apart. Have one student stand between the two teams as IT for the first round of the activity. Give each player in Team One a number. Then, give each player in Team Two a number. The numbers you give the players should be "scattered" so that, for example, number One in each team is not directly opposite one another. Call a number. The two players from the teams who have that number must then exchange places as quickly as possible. However, IT must attempt to reach one of the vacated positions before the other player arrives. The player who is "stuck in the middle" becomes IT, and must then identify a vocabulary picture that you show him/her. To add spice to this activity, all students in each team may pretend to run when you call a number. In this way, IT will not be as certain as to which players are exchanging places. Repeat until many students have identified vocabulary pictures.

## Language and Skills Development

## Stick of Chance

Before the activity begins, obtain four or five popsicle sticks. Break the popsicle sticks into different lengths. Hold the popsicle sticks in your hands so that they all appear to be the same length. Have individual students remove the sticks from your hands. The "winner" is the student who receives the longest stick; he/she must then identify a vocabulary picture you point to, or repeat a sentence that you said at the beginning of the round. Repeat this process until many students have responded in this way.

## Half Match

Before the lesson begins, prepare a photocopy of each of the vocabulary pictures.
Cut each of the photocopied pictures in half. Give the picture halves to the students (a student may have more than one picture half). Say one of the vocabulary words. The two students who have the halves of the picture for that word must show their halves and repeat the word orally. Continue in this way until all of the vocabulary words have been reviewed. This activity may be repeated more than once by collecting, mixing, and redistributing the picture halves to the students. This activity may also be adapted for team form. To do this, cut each of the vocabulary pictures in half. Place half of the pictures in one pile and the other halves in another pile (one pile for each team). Say a vocabulary word. When you say "Go," the first player from each team must rush to his/her pile of picture halves. Each player must find the half of the picture for the vocabulary word you said. The first player to correctly identify the picture half and to repeat the vocabulary word for it wins the round. Repeat until all players have played.

## Language and Skills Development

## READING

Introduce the math sight words to the students - match the sight words with the vocabulary graphics. The sight words are included in the Student Support Materials, attached to these lesson plans.


## Sight Recognition

## Funnel Words

Group the students into two teams. Give the first player in each team a funnel. Mount the sight words on the walls, board, and windows, around the classroom. Say one of the sight words. The students with the funnels must then look through them to locate the sight word you named. The first student to do this correctly wins the round. Repeat with other pairs of students until all players in each team have played.

## String Along

Join all of the students together with string (the students do not need to move from their seats). Before tying the ends of the string together, insert a roll of tape over one of the ends of the string. Tie the ends of the string together. Turn your back to the students. The students should pass the roll of tape along the string as quickly as possible. When you clap your hands, the student left holding the tape must then identify a sight word you show him. Repeat this process until many students have responded and until all of the sight words have been correctly identified a number of times.

## Student Support Materials

Have the students complete the sight recognition and encoding activities in the Student Support Materials. When finished, review their work.

## Decoding/Encoding

## Letter Encode

Give each student his/her envelope that contains the alphabet letters. Show a picture from this unit. The students must use the cut-out letters to spell the word for the picture. Review the students' work. Repeat, until all of the words have been spelled.

## Language and Skills Development

## Flashlight Encode

Cut each of the sight words in half. Mount all of the word halves in a scattered form on the chalkboard. Stand in front of the chalkboard with two flashlights. Shine the light of one flashlight on a word half. Then, shine the light of the other flashlight on its matching half. The students should say the sight word. However, when the lights of the two flashlights are shining on word halves that do not go together, the students should remain silent. If four flashlights are available, this activity may be done in team form. In this case, give the first player in each team two flashlights. Say a sight word. The first player in each team must then use his/her two flashlights to illuminate the word halves for the sight word you said. The first player to do this correctly wins the round.

## Student Support Materials

Have the students complete the sight recognition and encoding activities in the Student Support Materials. When finished, review their work.

## Reading Comprehension

## Student Support Materials

Have the students complete the sight recognition and encoding activities in the Student Support Materials. When finished, review their work.

## Language and Skills Development

## WRITING



## Say Again

Group the students into two teams. Whisper a sight word to the first player in each team. When you say "Go," the first player in each team must whisper the same sight word to the next player in the team. The students should continue in this way until the last player in the team hears the sight word. When the last player in the team hears the sight word, he/she must rush to the chalkboard and write the word on the board. The first team to do this correctly wins the round. Repeat until each player has written a sight word in this way.

## Numbered Pictures

Mount the vocabulary pictures on the chalkboard and number each one. Provide each student with writing paper and a pen. Call the number of a picture. Each student should write the vocabulary word for the picture represented by that number. Repeat until all vocabulary words have been written. Review the students' responses.

## Back Writing

Group the students into two teams. Have the first player from each team stand in front of the board. Use the index finger of your writing hand to "write" the first letter of a sight word on the two players' backs. When you have done this, say "Go." Each of the players should then write a sight word on the board that begins with that letter. Repeat with other pairs of players until all players in each team have played and until all sight words have been written a number of times.

## Yarn Spell

Group the students into two teams. Give the first player in each team lengths of yarn or string. Say a vocabulary word. When you say "Go," the first player in each team must then use the yarn or string to "write" the word on the floor. The first player to complete his/her word wins the round. Repeat this process until all players in each team have played. If pipe cleaners are available, they may be used in place of the yarn or string (have both long and short lengths of the pipe cleaners ready for the activity).

## Language and Skills Development

## Every Second Letter

Write a sight word on the board, omitting every second letter. Provide the students with writing paper and pens. The students should look at the incomplete word on the board and then write the sight word for it on their papers. Repeat using other sight words.

This activity may also be done in team form. In this case, have the incomplete words prepared on separate flash cards. Mount one of the cards on the board. When you say "Go," the first player from each team must rush to the board and write the sight word for it-adding all of the missing letters. Repeat until all players have participated.

## Student Support Materials

Have the students complete the sight recognition and encoding activities in the Student Support Materials. When finished, review their work.

# STUDENT SUPPORT MATERIALS 

Listening • Mini Pictures

## Listening: Mini Pictures

Have the students cut out the pictures. Say the key math wordsfrom this unit, and the students should hold up the pictures for them.


# STUDENT SUPPORT MATERIALS 

Sight Words


| 1 | 1 | 1 | 1 | I |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 1 | । | , | I |
| 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | । | I | । |
| 1 | 1 | I | I | । |
| 1 | 1 | 1 | 1 | I |
| 1 | 1 | 1 | 1 | । |
| 1 | I | 1 | 1 | । |
| ! | (d) : | , | (-) | , |
| 1 | (1) | 1 | । | । |
| 1 |  | 1 | (0) | I |
| 1 | (-) | ! | (1) | 1 |
|  | (1) | , | (c) | , |
| 1 | 10 | । | 1 | 1 |
| 1 | - | 1 | 1 | 1 |
| 1 | -1 | 1 | 1 | , |
| 1 | 1 | I | , | । |
| 1 | 1 | 1 | 1 | । |
| 1 | 1 | , | , | I |
| 1 | 1 | I | , | 1 |
| 1 | , | I | , | । |
| 1 | 1 | , | , | 1 |
| 1 | 1 | I | , | I |
| 1 | 1 | , | I | 1 |



# STUDENT SUPPORT MATERIALS 

Reading - Sight Recognition

## Sight Words Activity Page

Have the students circle the word for each picture.

| $3,5,7,12,13,14,21,23$ |
| :---: |
| - |

combinations
line graph
axis
range
mean
median
mode
parabola
plot

combinations
line graph
axis
range
mean
median
mode
parabola
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combinations
line graph
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median
mode
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median
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parabola
plot

## Sight Words Activity Page


combinations
line graph
axis
range
mean
median
mode
parabola
plot

|  |  |
| :--- | :--- |
| 7 |  |
| 3 |  |
| 9 | - |
| 6 |  |
| 4 |  |
|  |  |

combinations line graph
axis
range
mean
median
mode
parabola
plot

combinations
line graph
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parabola
plot

## Sight Words Activity Page

Write the numbers on their correct vocabulary graphics.


1. combination
2. median
3. line graph
4. mode
5. axis
6. parabola
7. range
8. plot
9. mean

## Sight Words Activity Page

Write the key words from this unit horizontally in the boxes (more than one copy of each word can be written). Fill in all other boxes with any letters. Exchange page with another student. Find key words and circle.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Sight Words Activity Page

Highlight or circle the words in this word find.

| combinations | mean | line graph |
| :--- | :--- | :--- |
| plot | mode | axis |
| parabola | median | range |

$g \quad \mathrm{p} \quad \mathrm{a} \quad \mathrm{n} \quad \mathrm{b} \quad \mathrm{o} \quad \mathrm{o} \quad \mathrm{n} a \mathrm{t} \quad \mathrm{a} \quad \mathrm{x}$ i $\mathrm{s} \quad \mathrm{n} \quad \mathrm{n} \quad \mathrm{x} \quad \mathrm{i}$ $m \quad n \quad n \quad t \quad a \quad r \quad a \quad b \quad o \quad$ a $a \quad a \quad o \quad l a b$
i $0 \quad r \quad r \quad t \quad m \quad t \quad h \quad a \quad a \quad g \quad d \quad o \quad g \quad d \quad i \quad m \quad t$ $h \quad e \quad a \quad h \quad o \quad a \quad i \quad e \quad x \quad t \quad s \quad i \quad x \quad c \quad o \quad n \quad p \quad l$

 $m \quad n \quad d \quad n \quad n \quad r \quad p \quad i \quad e \quad r \quad a \quad n \quad g \quad e \quad c \quad e \quad o \quad i$



 p o a o t g h o m x r c a m b d t e


 $a \mathrm{t}$ e o l a a e i l a l l d i a d d

 n a o e p i a l i n e g r a r orer b $n \quad 0 \quad 0 \quad e \quad d \quad c \quad e \quad a \quad a \quad r \quad e \quad x \quad m \quad n \quad g \quad m \quad o$

## Sight Words Activity Page

| combinations | mean | line graph |
| :--- | :--- | :--- |
| plot | mode | axis |
| parabola | median | range |


| g | P | a | n | b | 0 | 0 | n | a | t | a | X | i | S | $n$ | n | X |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| m | n | n | t | p | a | $r$ | a | b | 0 | I | a | a | a | 0 | I | h |
| i | 0 | $r$ | $r$ | t | m | t | h | a | a | g | d | 0 | g | d | i | m |
| h | e | a | h | 0 | a | i | e | X | t | S | i | X | c | 0 | n | p |
| t | t |  | i | n | e | g | r | a | p | h) | $p$ | m | $\epsilon$ | i | 0 | I |
| t | a | m | e | d | i | n | n | e | b | $n$ | n | g | e | a |  | i |
| m | n | d | n | n | $r$ | $p$ | i | e | $r$ | a | n | g | (e) | C | e | 0 |
| I | m | $a$ | n | C | 0 | m | b | i | n | a | t |  | g | i | $a$ | d |
| n | a | e | g | S | g | g | p | I | 0 | t) | 0 | g | a | a | $r$ | $a$ |
| 1 | a | i | c | 0 | m | b | i | n | a | t | i | 0 | n | S | a | S |
| a | a | b | X | n | e | p | a | r | a | b | 0 | \| | 0 | n | i | e |
| $p$ | O | a | 0 | t | g | h | 0 | m | X | $r$ | C | a | m | b | d | t |
| S | S | I | n | g | e | a | m | 0 | d | (e) | $n$ | 0 | $g$ | S | e | e |
| $p$ | m | m | e | a | n | $e$ | $r$ | e | b | i | i | n | 1 | S | n | g |
| b | a | e | g | a | a | i | a | $n$ | a | C | a | a | 1 | m | a | m |
| a | t | e | 0 |  | a | X | e | 1 | I | a | I | S | d | I | a | d |
| ; | P | e | x | n | $a$ | $p$ | 0 | $n$ | n | m | e | d | i | a | n | $a$ |
| 0 | t | a | d | 1 | i | n | e | a | n | a | i | I | r | e | i | p |
| n | a | 0 | e | P | i | a | 1 | i | n | $\epsilon$ | g | $r$ | a | $r$ | 0 | e |
| b | n | 0 | 0 | e | d | C | e | a | a | r | e | X | m | n |  | m |

# STUDENT SUPPORT MATERIALS 

Reading • Encoding

## Encoding Activity Page

Have the students cut out the word parts and glue them into their correct words.

## binations

## line gra

## ax

ran
m n


Encoding Activity Page


## m e

## para la

## ot



## Encoding Activity Page

Have the students cut out the word halves and glue them together to create the key words for this unit.


## Encoding Activity Page



## Encoding Activity Page

Cut out and encode the syllables of the words OR number the syllables in their correct sequence.


| di " an |
| :---: |




# STUDENT SUPPORT MATERIALS 

Reading Comprehension

## What's the Answer?

Read the text and then select the correct answer for it. Fill in the bullet beside the answer of your choice.
(1) Combinations are collections of things in which

O order is very important.
O all things are congruent.
O all angles are right angles.
O order is not important.
(2) Line graphs compare

O equivalent variables.
O exponents of whole numbers.
O two variables.
O values of vertices.
(3) An axis is a

O diameter of a perimeter.
O line of symmetry for a graph.
O prism.
O polyhedron.
(4) A range is the difference between

O the lowest and highest values.
O the mean value.
O dilation and a perimeter.
$O$ addends.
(5) Another word for mean is

O range.
O average.
$O$ radius.
O formula.
(6) The median is the

O dilation of shapes over time. O middle value in a list of numbers.
O the center of a circle's radius.
$O$ the center of a circle.

## What's the Answer?

(7) The mode is the number that can be seen in O a polygon.
O a polyhedron.
O a ratio.
O a list of numbers.
(8) A parabola is shaped like an

O expression.
O edge.
$O$ arch.
O isosceles triangle.
(9) When we plot, we can use O a graph or map.
O the product of addends in a trapezoid. O dilation. O parentheses and irregular polygons.

## What's the Answer?

(1) Combinations are collections of things in which

O order is very important.
$O$ all things are congruent.
O all angles are right angles.

- order is not important.
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O equivalent variables.
O exponents of whole numbers.

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O isosceles triangle.
(9) When we plot, we can use

- a graph or map.

O the product of addends in a trapezoid. O dilation.
O parentheses and irregular polygons.

## Reading Comprehension Activity Page

(1) In combinations,
(2) A line graph plots two variables and
(3) An axis is
(4) The difference between the lowest
(5) The mean is the same
6) To find the median, your numbers
(7) The mode is the number that
(8) The parabola is a
(9) A person can plot values
(A) and highest values is the range.
(B) a line on a graph.
(C) as the average.
(D) shows up most in a list of numbers.
(E) the order of things is not important.
(F) on a map or graph.
(G) each one is plotted along an axis.
(H) have to be in order.
(I) shape like an arch.

## Reading Comprehension Activity Page

(1) In combinations,
(A) and highest values is the range.
(2) A line graph plots two variables and
(B) a line on a graph.
(3) An axis is
(C) as the average.
(4) The difference between the lowest
(5) The mean is the same
(6) To find the median, your numbers
(D) shows up most in a list of numbers.
(E) the order of things is not important.
(F) on a map or graph.
(7) The mode is the number that
(G) each one is plotted along an axis.
(8) The parabola is a
(H) have to be in order.
(9) A person can plot values
(I) shape like an arch.


## Reading Comprehension Activity Page

Cut out the words and glue them under their definitions.

| This is the difference <br> between the lowest <br> and highest values. |
| :---: |

In these, the order of things is not important.

This is the middle value in a list of numbers.

| This compares two |
| :--- |
| variables using an |
| axis for each one. |

This is the number that appears most in a list of numbers.

| $\left.\begin{array}{l}\text { We can do this on } \\ \text { graphs and maps. }\end{array}\right]$This is another way <br> of saying average. |
| :--- |
| This is a shape that <br> is sometimes used <br> over a doorway. |



## Reading Comprehension Activity Page



| This compares two <br> variables using an <br> axis for each one. |
| :--- |
| line graph |



We can do this on graphs and maps.

This is another way of saying average.

This is a shape that is sometimes used over a doorway.
parabola

# STUDENT SUPPORT MATERIALS 

Writing

## Writing Activity Page

Have the students complete the writing of the key math words.

com_n_ nation line gra ax
ran
$\square$
me
n
m e
para la pl

## Writing Activity Page

Have the students complete the writing of the key math words.

CO1 __ph
a ..... S
$\mathbf{r}$ ..... emnplman
mepaa

## Basic Writing Activity Page

Have the students write the word for each picture.


## Basic Writing Activity Page

Have the students write the word for each picture.


## Crossword Puzzle



## ACROSS

1 We can do this on graphs and maps.
5 In these, the order of things is not important.
6 This is the middle value in a list of numbers.
7 This compares two variables using an axis for each one.

## DOWN

1 This is a shape that is an arch.
2 This is another way of saying "average."
3 This is a line of symmetry for a graph.
4 This is the difference between the lowest and highest values.
6 This is the number that appears most in a list of numbers.

## Crossword Puzzle Answers



## UNIT ASSESSMENT

Statistics

Unit Assessment Teacher's Notes Grade 7 - Unit 10 Date: $\qquad$

## Unit Assessment

Provide each student with a copy of the students' pages. Read the following instructions aloud. The students should answer the questions on their copies of the assessment.

## BASIC LISTENING

Turn to page 1 in your test. Look at the pictures in the boxes.

1. Write the number 1 by the picture for COMBINATIONS.
2. Write the number 2 by the picture for LINE GRAPH.
3. Write the number 3 by the picture for AXIS.
4. Write the number 4 by the picture for RANGE.
5. Write the number 5 by the picture for MEAN.
6. Write the number 6 by the picture for MEDIAN.
7. Write the number 7 by the picture for MODE.
8. Write the number 8 by the picture for PARABOLA.
9. Write the number 9 by the picture for PLOT.

## SIGHT RECOGNITION

Turn to page 2 and 3 in your test. Look at the pictures in the boxes. Circle the word for each picture.

## DECODING/ENCODING

Turn to page 4 and 5 in your test. Look at the word parts in the boxes. Circle the other half or part of each word.

## Unit Assessment

Provide each student with a copy of the students' pages. Read the following instructions aloud. The students should answer the questions on their copies of the assessment.

## READING COMPREHENSION

Turn to page 6 in your test. Write each word under its definition.
Refer to Student Support Materials for answer key.

## BASIC WRITING

Turn to page 7 in your test. Look at the pictures in the boxes. Write the word for each picture.

Teacher: To get a percentage for this student's assessment, divide the total number of questions correct by the total number of questions, then multiply this answer by 100 to determine the percentage of questions answered correctly.

# MATH PROGRAM 

## Unit Assessment Student Pages

Grade 7 - Unit 10

Date: $\qquad$ Student's Name: $\qquad$

Number Correct: $\qquad$
$\qquad$


| 101 |  |
| :--- | :--- |
| 50 | - |
| 75 |  |
| 74 |  |
| 84 |  |


(1)


combinations
line graph
axis
range
mean
medium
mode
parabola
plot
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\begin{array}{|l|l}\hline 101 & \ldots \\
50 & \ldots \\
75 & \end{array}
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axis <br>

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line gr | $\substack{\text { tions } \\ \text { aph } \\ \text { ise } \\ \text { gee } \\ \text { an } \\ \text { an } \\ \text { de } \\ \text { bola } \\ \text { ot }}$ |
| :---: |

| This is the difference |
| :--- |
| between the lowest |
| and highest values. |


| In these, the order of |
| :---: |
| things is not |
| important. |

## This is the middle value in a list of numbers.

## This is a line of symmetry for a graph.

| We can do this on |
| :--- |
| graphs and maps. |

This is another way of saying average.

> This is the number that appears most in a list of numbers.

This compares two
variables using an axis for each one.

| combinations | line graph | median | axis |
| :---: | :---: | :---: | :---: |
| mean | mean | range | parabola |

mode

(7)

