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# MATH

## NUMBER SENSE

- I can read and write numbers from hundredths to one million using standard form, word form and expanded notation.
- I can compare numbers from hundredths to one million.
- I can understand and identify negative numbers using number lines, counting, temperature and negative balances.
- I can efficiently add and subtract multi-digit whole numbers.
- I can multiply a whole number of up to four digits by a one-digit number.
- I can find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors.
- I can estimate to check whether my results make sense.
- I can add and subtract fractions and mixed numbers with like denominators and represent these operations using equations, area models and length models.
- I can multiply fractions by a whole number using repeated addition.
- I can compare two fractions with different numerators and different denominators using symbols  $>$ ,  $<$ ,  $=$  and show my thinking with a visual model.
- I understand that comparing two fractions is only valid when these fractions refer to the same whole.
- I can place benchmark fractions on a number line ( $1/2$ ,  $1/3$ ,  $1/4$ ,  $1/5$ ,  $1/6$ ,  $1/8$ ,  $1/10$ ,  $1/12$  and  $1/100$ ).
- I can compare benchmark fractions to decimals and benchmark decimals to fractions.

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## ALGEBRA AND FUNCTIONS

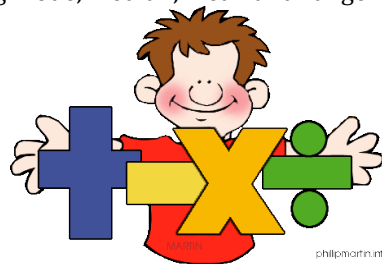
- I can write numerical expressions that use parentheses or braces (brackets).
- I can interpret numerical expressions that use parentheses or braces (brackets).
- I can use parentheses to understand which operation to perform first when writing expressions containing more than two terms and different operations.

## MEASUREMENT AND GEOMETRY

- I can determine the area of rectangles using the standard formula of length x width.
- I can draw and recognize points, perpendicular and parallel lines, line segments, and rays.
- I can identify right, acute and obtuse angles.
- I can classify quadrilaterals and triangles according to their attributes.
- I can measure angles with a protractor using whole number degrees.
- I know the relative size of measurement units within the metric system and standard system (time, length, weight, volume).
- I can record measurement equivalencies in a two-column data table.
- I can use addition, subtraction, multiplication, and division to solve word problems involving the following:
  - distances
  - intervals of time
  - liquid volumes
  - masses of objects
  - money

## STATISTICS AND PROBABILITY

- I can analyze data and evaluate conclusions using mode, median, mean and range.



# Fourth Grade Core Standards

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"In Juneau we are all partners in providing each student with the skills, knowledge and attitudes to be a contributing citizen in a changing world."



*Juneau School District*

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# READING

## PHONICS

- I can break words into syllables using common syllable patterns.
- I can decode words using syllable types.
- I can read words by looking for common sound spellings.
- I can use prefixes and suffixes to break words apart.

## VOCABULARY

- I can identify the meanings of prefixes, suffixes and root words to determine the meanings of words.
- I can use context clues, word parts, and electronic resources to determine the meaning of words and phrases.

## FLUENCY

- I can fluently read text on or above grade level.

## COMPREHENSION

### **Summarize**

- I can write a summary of a fictional text by using key details to support the main idea.
- I can identify the theme of a story, play or poem.
- I can identify the main idea and supporting key details of a nonfiction text.

### **Question**

- I can ask and answer literal, inferential and applied questions.
- I can provide evidence from text to support my responses.

### **Synthesize**

- I can use information from two texts, make connections, and use that information to describe relationships, make inferences and draw conclusions.

## **Non-Fiction Text Features**

- I can use standard and digital non-fiction text features to locate and interpret information.

## **Compare and Contrast Texts**

### **Fiction**

- I can compare and contrast the treatment of similar themes, topics, and fictional patterns in stories, myths, and traditional literature.

### **Non-Fiction**

- I can integrate information from two nonfiction texts on the same topic.

### **Monitor**

- I can self-monitor accuracy and comprehension by adjusting my reading rate, reading on, rereading and analyzing multi-syllabic words.



# WRITING

## **PERSUASIVE**

- I can write persuasive pieces, supporting my point of view with reasons and information.

## **EXPOSITORY**

- I can write expository texts to examine a topic and convey ideas and information clearly.

## **NARRATIVE**

- I can write narratives to develop real or imagined experiences and events using effective techniques, descriptive details, and clear event sequences.

## **Development/Organization**

- I can produce a well-developed and organized piece of writing appropriate to task, purpose, and audience.

## **WRITING PROCESS**

- I can develop and strengthen writing as needed by planning, drafting, conferencing, revising, and editing for possible publishing.

## **TECHNOLOGY**

- I can use appropriate technology to produce and publish writing as well as to interact and collaborate with others.

## **CONVENTIONS/GRAMMAR**

- I can use grade-level conventions of Standard English grammar when writing or speaking.

## **CONVENTIONS: SPELLING/PUNCTUATION**

- I can use grade level conventions of capitalization, punctuation, spacing, and spelling when writing.

## **HANDWRITING**

- I can clearly share information in legible, written format, using manuscript and/or cursive.

## **RESEARCH TO BUILD KNOWLEDGE**

- I can collect evidence from informational sources to analyze, reflect and produce short research projects.

## **ORGANIZE AND PRESENT INFORMATION**

- I can summarize, paraphrase, and use information in notes and finished work.
- I can cite a variety of sources.

## **ROUTINE OF WRITING**

- I can develop a routine habit of independent writing appropriate to the task, purpose and audience.

