THIRD GRADE COMMON CORE ELA


RL READING LITERATURE
Kev Ideas and Details

 Craft and Structure


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Range of Reading and Level of Text Complexity


## RI READING INFORMATIONAL TEXT Key Ideas and Details


 Craft and Structure


tegration of Knowledge and Ideas

 Tras of Reading and Level of Text Complexity


RF READING FOUNDATIONAL SKILLS
Phonics and Word Recognition

 Fluency


$\underset{\text { Text Types and Purposes }}{\text { W WRITING }}$





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Toduction and Distritution of Writing

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Research to Build and Present Knowledge


w.3.9 begins in ingade
 SL SPEAKING \& LISTENTING
Comprenenion and Collaboration









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## THIRD GRADE COMMON CORE MATH

perations \& algebraic thinking
UUMBER \& OPERATIONS IN BASE TEN
MEASUREMENT \& DATA
GEOMETRY

## OA OPERATION \& ALGEBRAIC THINKING

Represent and solve problems involving multiplication and division.
3.OA.A. 1 interpret products of whole numbers, e.g., interpret $5 \times 7$ as the total number of objects in 5
groups of 7 objects each. For example, describe a context in which a total number of objects can be SOA.A.. Interpret whole-number quutients of whole numbers, e.g., interpret $5 \div \pm$ as the number of hen 56 objects are partitioned into equal shares of 8 objects each. For example, describe a context in Wh 56 objects are partitioned into equal shares of 8 objects each. For exampl
3.OA.A. 3 Use multipicication and division within 100 to solve word problems in situations involving equal
groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the nknown number to represent the problem. 1
OA.A. 4 Determine the unknown whole number in a multipication or division equation relating three hole numbers. For example, aelermine the unknown number that
nderstand properties of multiplication and the relationship between multinlication and division
3.OA.B. 5 Apply properties of operations as strategies to multiply and divide. 2 Examples: If $6 \times 4=24$ is Nown, then $4 \times 6=24$ is also nown. (Commutative property of multiplication.) $3 \times 5 \times 2$ can be found by
$\times 5=15$, then $15 \times 2=30$, or by $5 \times 2=10$, then $3 \times 10=30$. (Associative property of multiplication.) , that $8 \times 5=40$ and $8 \times 2=16$, one can find $8 \times 7$ as $8 \times(5+2)=(8 \times 5)+(8 \times 2)=40+16$ 3.OA.B. 6 Understand division as an unknown-factor problem. For example, find $32 \div 8$ by finding the
number that makes 32 when multiplied by 8 .

Multiply and divide within 100.
3.OA.C. 7 Fluently multiply and divide within 100 , using strategies such as the relationship between ultiplication and division (e.g., knowing that $8 \times 5=40$, one knows $40 \div 5=8$ ) or properties

Solve problems involving the four operations, and identify and explain batterns in arithmetic
.OA.D. 8 Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing tor the unknown quantity. Assess th
mental computation and estimation strategies including rounding. 3
.OA.D. 9 Identify arithmetic patterns (including patterns in the addition table or multiplication table), and explain them using properties of operations. For example, observe that 4 times

NBT NUMBER \& OPERATIONS IN BASE TEN
se place value understanding and properties of operations to perform ulti-diait arithmetic 1

NBT.A. 1 Use place value understanding to round whole numbers to the nearest 10 or 100 .NBT.A. 2 Fluently add and subtract within 1000 using strategies and algorithms based on place value,
 3.NBT.A.3 Mutiply one-digit whole numbers by mutiples of 10 in the
ising strategies based on place value and properties of operations.

NF NUMBER \& OPERATIONS - FRACTIONS Develop understanding of fractions as numbers.

NF.A. 1 Understand a fraction 1 bas the quantity formed by 1 part when awhole is partitioned 3.NF.A. 1 Understand a arraction 1 1b as the quantity formed by 1 part when awhole is partition
nito bequal parts; understand a fraction alb as the quantity formed by a parts of size $1 / \mathrm{b}$. NF.A. 2 Understand a fraction as a number on the number line; represent fractions on a number line 3.NF.A.2a Represent a fraction $1 / \mathrm{b}$ on a number line diagram by defining the interval from 0 to 1 as the
whole and partitioning it into b equal parts. Recognize that each part has size $1 / \mathrm{b}$ and that the endpoint of the part based at 0 locates the number $1 / b$ on the number line.
3.NF.A.2b Represent a fraction alb on a number line diagram by marking off a lengths $1 / \mathrm{b}$ from 0 .

Recognize that the resulting interval has size a/b and that its endpoint locates the number alb on the
NF.A. 3 Explain equivalence of fractions in special cases, and compare fractions by reasoning about thei
3.NF.A.3b Recognize and generate simple equivalent fractions, e.g., $1 / 2=2 / 4,4 / 6=2 / 3$. Explain why 3.NF.A.B. Recognize and generate simple equivalent fractions, e.g,
the fractions are equivalent, e.g., by using a visual fraction model.
3.NF.A. 3 C Express whole numbers as fractions, and recognize fractions that are equivalent to whole
numbers. Examples: Express 3 in the form $3=3 / 1$; recognize that $6 / 1=6 ;$ locate $4 / 4$ and 1 at the same point of a number line diagram.
3.NF.A.3d Compare two fractions with the same numerator or the same denominator by reasoning about Record the resylts of comparisons with the valia only when the two tractions refer to the same whole. Record the results of co
a visual fraction model.

## MD MEASUREMENT \& DATA

olve problems involving measurement and estimation
.MD.A. 1 Tell and write time to the nearest minute and measure time intervals in minutes. Solve word a number line diagram. MD.A. 2 Measure and estimate liquid volumes and masses of objects using standard units of grams (9) liograms (kg), and liters ( $(1) .1$ Add, subtract, multiply, or divide to to solve one-stes word probems involving
nasses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a

Represent and interpret data.
3.MD.B.3 Draw a scaled picture graph and a scaled bar graph to represent a data set with several
categories. Solve one- and two-step "how many more" and "how many less" problems using informater actegories. Solve one-a and two-step "how many more"" nad "how many less" problems usising information
presented in scaled bar graphs. For example, draw a bar graph in which each square in the bar graph MD B. 4 Generate measurent data by measuring lengths using rulers marked with halves and fourth of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate
units - whole numbers, halves, or quarters.

Geometric measurement: understand concepts of area and relate area to Geomitication and to addition.
.MD.C. 5 Recognize area as an attribute of plane figures and understand concepts of area measurement. 3.MD.C.5a A square with side length 1 unit, called "a unit square," is said to have "one square unit" of
area and can be used to measure area.
3.MD.C.5D A plane figure which can be covered without gaps or overlaps by n unit squares is said to
MD.C. 6 Measure areas by counting unit squares (square cm, square m, square in, square ft, and
nprovised units).
MD.C. 7 Relate area to the operations of multiplication and addition.
3.MD.C.7. Find the area of a rectangle with whole-number side lengths by tiling it, and show that the 3.MD.C.7b Multiply side lengths to find areas of the side lengths.
context of solving real world and mathematical problems, and represent whelen side lengths in the
ectangular areas in mathematical reasoning.
engths $a$ and $b+c$ is the sum of $a \times b$ and $a \times c$. . the area of a rectangle with whole-number side in mathematical reasoning.
3.MD.C.7d Recognize area as additive. Find areas of rectilinear figures by decomposing them
overlapping rectangles and addding the areas of the non-overlapping parts, applying this techniique to
Geometric measurement: recognize perimeter
3.MD.D. 8 Solve real world and mathematical problems involving perimeters of polygons, including finding e perimeter given the side lengths, finding an unknown side length, and exhibiting

## G GEOMETRY

Reason with shapes and their attributes
G.A.1 Understand that shapes in diferernt categories (e.g., hombuses, rectangles, and others) may share attributes (e.g, having tour sides), and that the shared atributes can define a larger category (e.g, quadriliterals. Recognize rhombuses, rectangles, and squares as examples
gole. For example, partition a shape into 4 parts with equal area, and describe the area of each part as hole. For example, partition
$1 / 4$ of the area of the shape.







[^0]:    LLANGUAGE
    
    
    
    
    
    
    
    
     Language

