



Affordable Homeschool Testing Services, LLC

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Spring, 2nd grade

TESTING REPORT

MEASURES OF ACADEMIC PROGRESS

GRADES 2-5

Summary

TEST	RIT SCORE	RANGE	PERCENTILE	TYPICAL OF
MAP Reading 2-5	187	184-190	46	2nd grade Spring
MAP Math 2-5	205	202-208	83	3rd grade Midyear
Lexile Range	267-417L			

Definitions

RIT Score: The student's overall score on the test.

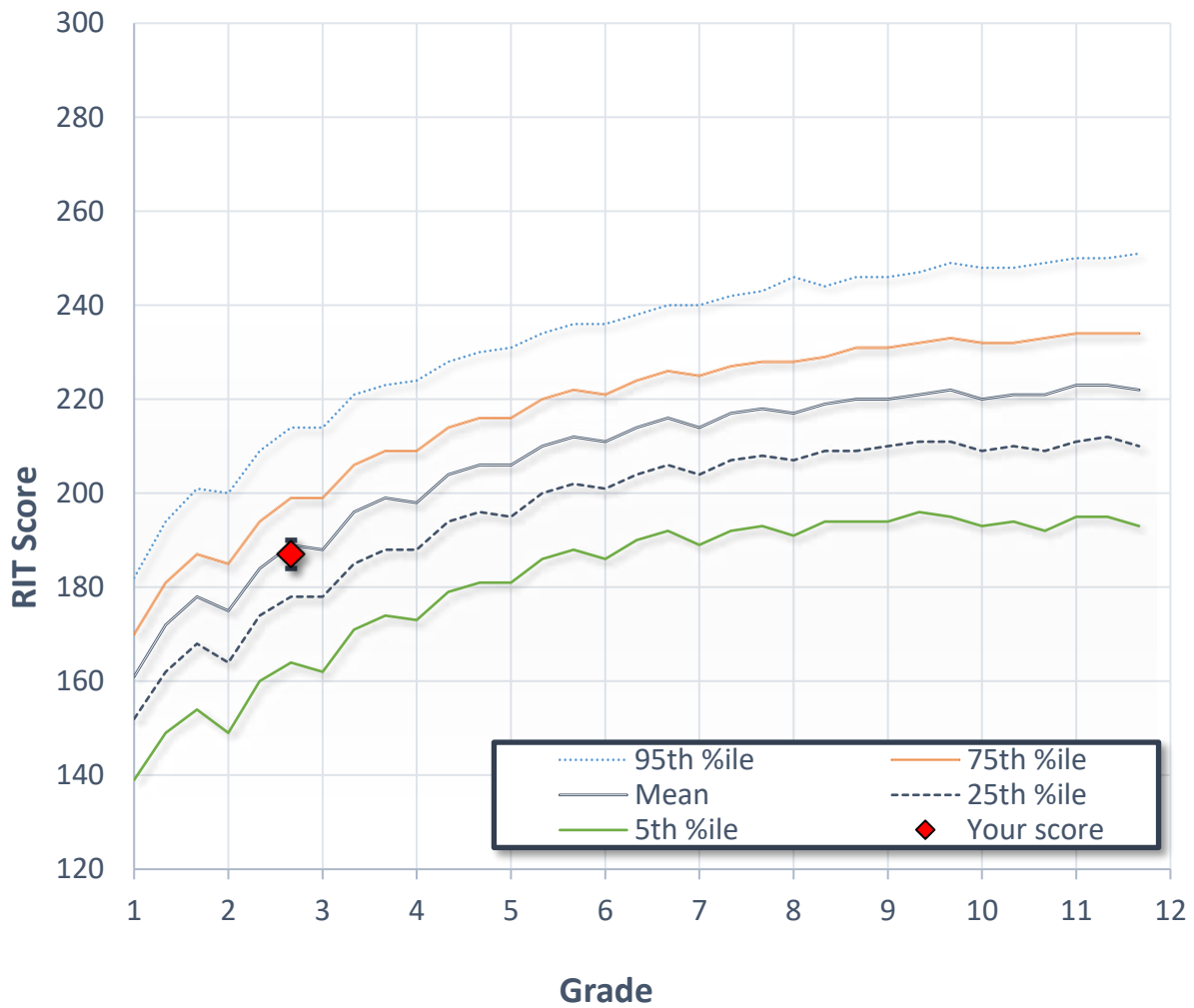
RIT Range: If a student took the test again relatively soon, the score would fall within this range about 68% of the time.

Percentile Rank: The percentage of students in the national norms group for this grade, subject, and test administration season that this student's score equaled or exceeded.

Typical of: This is the grade level and test session at which the 50th percentile of the national norms group is approximately equal to the student's score.

Lexile Range: A score (displayed as a 150-point range) resulting from a correlation between NWEA's RIT score and the Lexile scale that helps identify reading material that is at an appropriate difficulty level for an individual student. More information about the Lexile framework may be found: <https://lexile.com/>.

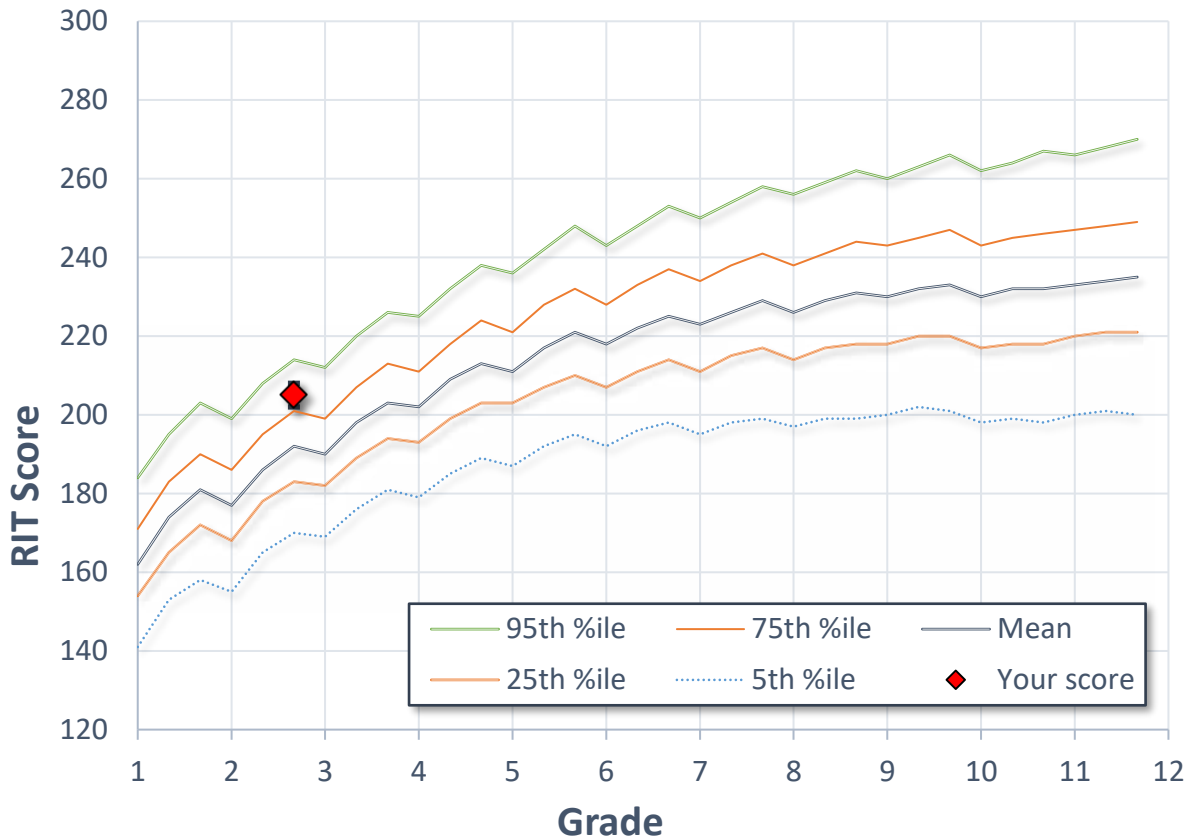
Reading



	RIT SCORE	PERCENTILE	TYPICAL OF
MAP Reading 2-5	187	46	2nd grade Spring

SECTION	RIT SCORE	RELATIVE TO AVERAGE
Literature	190	Average
Information Text	196	High-Average
Functional Skills & Vocabulary	180	Low-Average

Math



	RIT SCORE	PERCENTILE	TYPICAL OF
MAP Math 2-5	205	83	3rd grade Spring

SECTION	RIT SCORE	RELATIVE TO AVERAGE
Operations & Algebraic Thinking	203	High
Number and Operations	204	High
Geometry	209	High
Measurement and Data	210	High

Learning Goals

The remainder of this report is an excerpt from NWEA's Learning Continuum that details the skills and concepts that are in the range of where your child performed on the MAP test.

The "Reinforce" column shows **skills and concepts where your child where your child was answering test items correctly about 75% of time and may need reinforcement to build consistent proficiency and confidence}**. The "Develop" column **contains skills and concepts your child was answering correctly about 50% of the time** (their zone of proximal development, or ZPD). The "Introduce" column has skills and concepts students were answering correctly about 25% of the time and may require additional scaffolding or pre-teaching. Each column is a range of 10 RIT points.

To continue growing at the same average rate as your child's academic peers, your child would need to increase their Reading RIT score by 10 points on the Spring 2017 MAP assessment. To increase their percentile ranking, we would recommend setting a goal of 10-25 points over the next year.

To continue growing at the same average rate as your child's academic peers, your child would need to increase their Mathematics RIT score by 11 points the Spring 2017 MAP assessment. To increase their percentile ranking, we would recommend setting a goal of 11-26 points over the next year. Users of Khan Academy may find [MAP to Khan Academy](#) helpful.

MAP READING LEARNING STATEMENTS

LITERATURE: KEY IDEAS AND DETAILS

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Characterization		
Analyzes dialogue to understand characters	Analyzes dialogue to understand characters	Analyzes dialogue to understand characters
Compares or contrasts characters	Compares or contrasts characters	Compares or contrasts characters
Describes character feelings or thoughts	Describes character feelings or thoughts	Describes character feelings or thoughts
Describes characters based on details	Describes characters based on details	Describes characters based on details
Distinguishes between main and supporting characters	Distinguishes between main and supporting characters	Distinguishes between main and supporting characters
Recognizes story characters	Explains character motivation Recognizes story characters Understands how characters are developed or changed	Explains character motivation Understands how characters are developed or changed
Inferences, Conclusions, Predictions		
Draws conclusions from literary text	Draws conclusions from literary text	Draws conclusions from literary text
Makes inferences about characters in literary text	Makes inferences about characters in literary text	Makes inferences about characters in literary text
Makes inferences about plot in literary text	Makes inferences about plot in literary text	Makes inferences about plot in literary text
Makes inferences about setting in literary text	Makes inferences about setting in literary text	Makes inferences about setting in literary text
Makes inferences based on a title	Makes inferences based on a title	Makes inferences based on a title
Makes inferences from poetry	Makes inferences from poetry	Makes inferences from poetry
Makes predictions from literary text	Makes predictions from literary text	Makes predictions from literary text
Predicts events from a picture		

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Locating Information		
Determines cause in literary text Determines effect in literary text Locates details about characters in literary text Locates details about events in literary text Locates details about setting in literary text	Determines cause in literary text Determines effect in literary text Locates details about characters in literary text Locates details about events in literary text Locates details about setting in literary text	Determines cause in literary text Determines details that support the central idea in literary text Determines effect in literary text Locates details about characters in literary text Locates details about events in literary text Locates details about setting in literary text
Main or Central Idea, Topic, Titles		
Determines main idea in literary text Determines the central idea in literary text Identifies the best title for a literary text	Determines main idea in literary text Determines the central idea in literary text Identifies the best title for a literary text	Determines main idea in literary text Determines the central idea in literary text Identifies the best title for a literary text
Plot		
Identifies problem/conflict in literary text Identifies the resolution of conflict in literary text	Identifies problem/conflict in literary text Identifies the resolution of conflict in literary text	Identifies problem/conflict in literary text Identifies the resolution of conflict in literary text
Sequencing		
Understands sequence in informational text Understands sequence in literary text	Understands sequence in informational text Understands sequence in literary text	Understands sequence in informational text Understands sequence in literary text
Setting		
Compares or contrasts setting across literary texts Draws conclusions about a setting based on a description	Compares or contrasts setting across literary texts Draws conclusions about a setting based on a description	Compares or contrasts setting across literary texts Draws conclusions about a setting based on a description

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Identifies details that reveal aspects of setting Identifies setting	Identifies details that reveal aspects of setting Identifies setting Recognizes description of setting	Identifies details that reveal aspects of setting Identifies setting Recognizes description of setting
Summarizing, Paraphrasing		
	Summarizes literary text	Summarizes a sequence of events in literary text Summarizes literary text
Supporting Details		
		Determines details that support the central idea in literary text
Theme, Moral, Lesson		
Determines the lesson learned by a character	Determines a shared theme in multiple texts Determines the lesson learned by a character Determines the moral of a story Determines theme in literary text	Determines a shared theme in multiple texts Determines the lesson learned by a character Determines the moral of a fable Determines the moral of a story Determines theme in literary text Determines theme in poetry

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Author's Craft: Figurative Language		
Interprets idiom in literary text Interprets simile in literary text Understands the meaning of common idioms	Identifies simile Interprets allusion in literary text Interprets idiom in literary text Interprets metaphor in literary text Interprets simile in literary text Understands the meaning of common idioms	Analyzes how mood is conveyed in literary text Analyzes the effect of figurative language in literary text Identifies metaphor Identifies onomatopoeia Identifies simile Infers the meaning of a phrase in a literary text Interprets allusion in literary text Interprets idiom in literary text Interprets metaphor in literary text Interprets onomatopoeia in literary text Interprets simile in literary text Understands the meaning of common idioms
Author's Craft: Foreshadowing, Flashback		
		Understands how authors develop characters using flashback
Author's Craft: Imagery, Description		
Understands that descriptions appeal to different senses	Identifies imagery or description Understands that descriptions appeal to different senses	Identifies a literal description that supports a given idea Identifies imagery or description Understands that descriptions appeal to different senses
Author's Craft: Perspective, Attitude		
	Determines narrator's perspective in literary text Evaluates literary text for evidence of bias or stereotypes Infers narrator's attitude in literary text	Determines narrator's perspective in literary text Evaluates literary text for evidence of bias or stereotypes Infers narrator's attitude in literary text
Characteristics of Genre: Literary		
Classifies literary text as a fairy tale	Classifies literary text as a fairy tale	Classifies literary text as a nursery rhyme

Classifies literary text as a story that could happen	Classifies literary text as a nursery rhyme	Classifies literary text as a play
Classifies literary text as make-believe	Classifies literary text as a play	Classifies literary text as a story
Classifies literary text as poetry	Classifies literary text as a story	Classifies literary text as a tall tale
	Classifies literary text as a story that could happen	Classifies literary text as fantasy
	Classifies literary text as a tall tale	Classifies literary text as historical fiction
	Classifies literary text as fantasy	Classifies literary text as poetry
	Classifies literary text as make-believe	Classifies literary text as realistic fiction
	Classifies literary text as poetry	Identifies make-believe statements in literary text
	Classifies literary text as realistic fiction	Identifies use of repetition in poetry
	Identifies use of rhyme in poetry	Identifies use of rhyme in poetry
	Recognizes terms associated with drama	Recognizes terms associated with drama
	Understands characteristics of fairy tales	Recognizes terms associated with poetry
	Understands characteristics of fiction	Understands characteristics of fables
		Understands characteristics of fiction
Mood		
	Determines mood in literary text	Analyzes how mood is conveyed in literary text
	Determines mood in poetry	Determines mood in literary text
		Determines mood in poetry
Point of View		
	Identifies the narrator in literary text	Identifies the narrator in literary text
	Recognizes different types of third-person point of view	Recognizes different types of third-person point of view
		Recognizes first-person point of view
		Understands how first-person and third-person narratives differ

INFORMATIONAL TEXT: KEY IDEAS AND DETAILS

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Author's Craft: Persuasive and Rhetorical Techniques		
Analyzes techniques used by an author to illustrate or emphasize ideas		
Facts and Opinions		
Determines whether a statement is fact or opinion	Determines whether a statement is fact or opinion	Determines whether a statement is fact or opinion
Distinguishes fact from opinion in informational text	Distinguishes fact from opinion in advertising	Distinguishes fact from opinion in advertising
	Distinguishes fact from opinion in argumentative text	Distinguishes fact from opinion in argumentative text
	Distinguishes fact from opinion in charts	Distinguishes fact from opinion in informational text
	Distinguishes fact from opinion in informational text	
Following Directions		
Locates information in a set of directions	Draws conclusions from a set of directions	Locates information in a set of directions
Understands sequence in a set of directions	Locates information in a set of directions	Understands sequence in a set of directions
	Understands sequence in a set of directions	
Inferences, Conclusions, Predictions		
Compares and contrasts ideas described in informational text	Compares and contrasts ideas described in informational text	Compares and contrasts ideas described in informational text
Draws conclusions from informational text	Draws conclusions from a set of directions	Draws conclusions from informational text
Infers cause in informational text	Draws conclusions from informational text	Infers cause in informational text
Infers the word that completes predictable text	Infers cause in informational text	Infers cause in literary nonfiction
Makes inferences about the author of informational text	Infers cause in literary nonfiction	Makes inferences about the author of informational text
Makes inferences from definitions	Makes inferences about the author of informational text	Makes inferences from a set of directions
Makes inferences from informational text	Makes inferences from a set of directions	Makes inferences from definitions
	Makes inferences from definitions	Makes inferences from informational text

Makes inferences from literary nonfiction	Makes inferences from informational text	Makes inferences from literary nonfiction
Makes predictions from informational text	Makes inferences from literary nonfiction	Makes predictions from informational text
	Makes predictions from informational text	Makes predictions from literary nonfiction
Locating Information		
Determines cause in informational text	Compares and contrasts details in multiple informational texts	Compares and contrasts details in multiple informational texts
Determines cause in literary nonfiction	Determines cause in informational text	Determines cause in informational text
Determines effect in informational text	Determines cause in literary nonfiction	Determines effect in informational text
Locates details in an advertisement	Determines effect in informational text	Identifies details that support the main idea of informational text
Locates details in informational text	Locates details in an advertisement	Locates details in an advertisement
Locates information in a set of directions	Locates details in informational text	Locates details in informational text
Locates information in indices or appendices	Locates details in literary nonfiction	Locates details in literary nonfiction
	Locates information in a set of directions	Locates information in a set of directions
	Locates information in indices or appendices	Locates information in indices or appendices
Main or Central Idea, Topic, Titles		
Determines main idea in informational text	Determines main idea in informational text	Determines main idea in informational text
Determines the main idea of a poster	Determines the main idea of a poster	Determines main idea in persuasive text
Determines the topic in informational text	Determines the topic in informational text	Determines the main idea of a poster
Determines the topic of a book from its title	Determines the topic of a book from its title	Determines the main idea of an informational chart
Identifies a title that reflects main idea in informational text	Determines two or more main ideas in informational text	Determines the topic in informational text
Identifies topic sentence in informational text	Determines two or more topics in informational text	Determines the topic of a book from its title
	Identifies a title that reflects main idea in informational text	Determines two or more main ideas in informational text
	Identifies topic sentence in informational text	Identifies a title that reflects main idea in informational text
		Identifies topic sentence in informational text
Sequencing		
Identifies steps in a set of directions	Identifies steps in a set of directions	Identifies steps in a set of directions

Understands sequence in a set of directions	Understands sequence in a set of directions	Understands sequence in a set of directions
Understands sequence in informational text	Understands sequence in informational text	Understands sequence in informational text Understands sequence of events from a time line
Summarizing, Paraphrasing		
Summarizes informational text	Summarizes informational text Summarizes similarities and/or differences in multiple informational texts	Summarizes informational text Summarizes similarities and/or differences in multiple informational texts
Supporting Details		
	Identifies details that support main idea in informational text	Determines details that support a claim in informational text Determines details that support a prediction or conclusion in informational text Identifies details that support main idea in informational text

INFORMATIONAL TEXT: CRAFT AND STRUCTURE

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Assertions and Claims		
Identifies evidence that supports a statement in informational text Identifies reasons that support a claim in persuasive text	Identifies evidence that supports a statement in informational text Identifies reasons that support a claim in persuasive text	Determines claims made in advertising Identifies evidence that supports a claim in argumentative text Identifies evidence that supports a statement in informational text Identifies reasons that support a claim in persuasive text
Author's Craft: Figurative Language		
	Identifies metaphor	Identifies metaphor
Author's Craft: Perspective, Attitude		
Determines author's assumption about audience	Determines author's assumption about audience	Determines author's assumption about audience

Infers author's attitude in informational text	Determines the difference in focus of two informational texts on the same topic	Determines the difference in focus of two informational texts on the same topic
Infers author's attitude in persuasive text	Infers author's attitude in informational text Infers author's attitude in persuasive text	Infers author's attitude in a letter Infers author's attitude in informational text Infers author's attitude in persuasive text
Author's Craft: Persuasive and Rhetorical Techniques		
Determines persuasive technique used in advertising	Determines persuasive technique used in advertising	Analyzes language used to convey messages in advertising
Recognizes an assumption made in advertising	Recognizes an assumption made in advertising Recognizes use of the beautiful people technique in advertising	Analyzes persuasive technique used in a speech Analyzes techniques used by an author to illustrate or emphasize ideas Determines persuasive technique used in advertising Identifies rhetorical technique used to introduce a claim Recognizes an assumption made in advertising
Author's Craft: Style, Voice, Tone		
		Determines tone in informational text
Characteristics of Genre: Business, Technical, Procedural		
Classifies text as a thank-you note		
Characteristics of Genre: Informational		
Classifies text as informational	Classifies text as informational	Classifies text as informational
Understands characteristics of dictionaries	Understands characteristics of dictionaries	Understands characteristics of dictionaries
Understands characteristics of newspaper writing	Understands characteristics of newspaper writing	Understands purpose of informational and reference materials
Understands purpose of informational and reference materials	Understands purpose of informational and reference materials	
Characteristics of Genre: Literary Nonfiction		
Understands characteristics of personal letters	Classifies text as a personal narrative essay Understands characteristics of personal letters	Classifies text as a personal narrative essay

Characteristics of Genre: Persuasive, Argumentative		
Identifies reasons that support a claim in persuasive text	Identifies reasons that support a claim in persuasive text	Analyzes language used to convey messages in advertising
Infers specific purpose of an advertisement	Infers specific purpose of an advertisement	Analyzes persuasive technique used in a speech
Recognizes an assumption made in advertising	Recognizes an assumption made in advertising	Determines claims made in advertising
	Recognizes use of the beautiful people technique in advertising	Identifies evidence that supports a claim in argumentative text
		Identifies reasons that support a claim in persuasive text
		Identifies rhetorical technique used to introduce a claim
		Infers specific purpose of an advertisement
		Recognizes an assumption made in advertising
		Recognizes when the general purpose of writing is to persuade
		Understands main message in advertising
Inferences, Conclusions, Predictions		
	Determines intended audience of informational text	Determines intended audience of informational text
		Infers author's attitude in a letter
Purpose		
Infers specific purpose of a set of directions	Infers specific purpose of a graphic	Infers specific purpose of an advertisement
Infers specific purpose of an advertisement	Infers specific purpose of an advertisement	Infers specific purpose of an announcement
Infers specific purpose of an informational passage	Infers specific purpose of an informational passage	Infers specific purpose of an informational passage
Recognizes when the general purpose of writing is to give directions	Recognizes when the general purpose of writing is to inform	Recognizes when the general purpose of writing is to inform
Recognizes when the general purpose of writing is to inform	Understands purpose of informational and reference materials	Recognizes when the general purpose of writing is to persuade
Understands purpose of informational and reference materials		Understands purpose of informational and reference materials

Text Features, Visuals

Analyzes information in charts or graphs	Analyzes information in charts or graphs	Analyzes information in charts or graphs
Analyzes information in timelines	Analyzes information in schedules	Analyzes information in maps
Analyzes information in Venn diagrams or other graphic organizers	Analyzes information in timelines	Analyzes information in timelines
Understands the purpose of a glossary	Analyzes information in Venn diagrams or other graphic organizers	Analyzes information in Venn diagrams or other graphic organizers
Understands the purpose of a title page	Infers specific purpose of a graphic	Understands the purpose of a glossary
Understands the purpose of an index	Infers specific purpose of parentheses	Understands the purpose of a title
	Understands the purpose of a glossary	Understands the purpose of headings
	Understands the purpose of a table of contents	Understands the purpose of subheadings
	Understands the purpose of an index	Understands the purpose of varied typeface in informational text
	Understands the purpose of captions	
	Understands the purpose of subheadings	
	Understands the purpose of varied typeface in informational text	
	Understands the purpose of white space	

Text Structure: Organization

Analyzes the use of a compare-contrast structure in informational text	Analyzes the use of a chronology structure in informational text
Identifies cause-effect as a structure in informational text	Analyzes the use of a compare-contrast structure in informational text
Identifies compare-contrast as a structure in informational text	Compares and contrasts organizational structure in multiple texts
	Identifies cause-effect as a structure in informational text
	Identifies chronology as a structure in informational text
	Identifies compare-contrast as a structure in informational text
	Identifies process as a structure in informational text

Word Nuances and Shades of Meaning

Uses context to determine connotation of words	Uses context to determine connotation of words
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Author's Craft: Persuasive and Rhetorical Techniques

Analyzes techniques used by an author to illustrate or emphasize ideas

Facts and Opinions		
Determines whether a statement is fact or opinion	Determines whether a statement is fact or opinion	Determines whether a statement is fact or opinion
Distinguishes fact from opinion in informational text	Distinguishes fact from opinion in advertising	Distinguishes fact from opinion in advertising
	Distinguishes fact from opinion in argumentative text	Distinguishes fact from opinion in argumentative text
	Distinguishes fact from opinion in charts	Distinguishes fact from opinion in informational text
	Distinguishes fact from opinion in informational text	
Following Directions		
Locates information in a set of directions	Draws conclusions from a set of directions	Locates information in a set of directions
Understands sequence in a set of directions	Locates information in a set of directions	Understands sequence in a set of directions
	Understands sequence in a set of directions	
Inferences, Conclusions, Predictions		
Compares and contrasts ideas described in informational text	Compares and contrasts ideas described in informational text	Compares and contrasts ideas described in informational text
Draws conclusions from informational text	Draws conclusions from a set of directions	Draws conclusions from informational text
Infers cause in informational text	Draws conclusions from informational text	Infers cause in informational text
Infers the word that completes predictable text	Infers cause in informational text	Infers cause in literary nonfiction
Makes inferences about the author of informational text	Infers cause in literary nonfiction	Makes inferences about the author of informational text
Makes inferences from definitions	Makes inferences about the author of informational text	Makes inferences from a set of directions
Makes inferences from informational text	Makes inferences from a set of directions	Makes inferences from definitions
Makes inferences from literary nonfiction	Makes inferences from definitions	Makes inferences from informational text
Makes predictions from informational text	Makes inferences from informational text	Makes inferences from literary nonfiction
	Makes inferences from literary nonfiction	Makes predictions from informational text
	Makes predictions from informational text	Makes predictions from literary nonfiction
Locating Information		
Determines cause in informational text	Compares and contrasts details in multiple informational texts	Compares and contrasts details in multiple informational texts
Determines cause in literary nonfiction	Determines cause in informational text	Determines cause in informational text
	Determines cause in literary nonfiction	Determines effect in informational text
	Determines effect in informational text	

Determines effect in informational text	Locates details in an advertisement	Identifies details that support the main idea of informational text
Locates details in an advertisement	Locates details in informational text	Locates details in an advertisement
Locates details in informational text	Locates details in literary nonfiction	Locates details in informational text
Locates information in a set of directions	Locates information in a set of directions	Locates details in literary nonfiction
Locates information in indices or appendices	Locates information in indices or appendices	Locates information in a set of directions
		Locates information in indices or appendices
Main or Central Idea, Topic, Titles		
Determines main idea in informational text	Determines main idea in informational text	Determines main idea in informational text
Determines the main idea of a poster	Determines the main idea of a poster	Determines main idea in persuasive text
Determines the topic in informational text	Determines the topic in informational text	Determines the main idea of a poster
Determines the topic of a book from its title	Determines the topic of a book from its title	Determines the main idea of an informational chart
Identifies a title that reflects main idea in informational text	Determines two or more main ideas in informational text	Determines the topic in informational text
Identifies topic sentence in informational text	Determines two or more topics in informational text	Determines the topic of a book from its title
	Identifies a title that reflects main idea in informational text	Determines two or more main ideas in informational text
	Identifies topic sentence in informational text	Identifies a title that reflects main idea in informational text
		Identifies topic sentence in informational text
Sequencing		
Identifies steps in a set of directions	Identifies steps in a set of directions	Identifies steps in a set of directions
Understands sequence in a set of directions	Understands sequence in a set of directions	Understands sequence in a set of directions
Understands sequence in informational text	Understands sequence in informational text	Understands sequence in informational text
		Understands sequence of events from a time line
Summarizing, Paraphrasing		
Summarizes informational text	Summarizes informational text	Summarizes informational text
	Summarizes similarities and/or differences in multiple informational texts	Summarizes similarities and/or differences in multiple informational texts
Supporting Details		
	Identifies details that support main idea in informational text	Determines details that support a claim in informational text

Determines details that support a prediction or conclusion in informational text

Identifies details that support main idea in informational text

VOCABULARY ACQUISITION AND USE: CONTEXT CLUES AND REFERENCE

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Academic and Content Vocabulary		
Identifies words that best fit given contexts	Identifies words that best fit given contexts	Identifies words that best fit given contexts
Uses context to determine the meaning of academic words or phrases in literary text	Uses context to determine the meaning of academic words or phrases in literary text	Uses context to determine the meaning of academic words or phrases in informational text
Uses context to determine the meaning of domain-specific words or phrases in informational text	Uses context to determine the meaning of domain-specific words or phrases in informational text	Uses context to determine the meaning of academic words or phrases in literary text
	Uses context to determine the meaning of words or phrases that convey a specific emotion	Uses context to determine the meaning of domain-specific words or phrases in informational text
		Uses context to determine the meaning of words or phrases that convey a specific action
		Uses context to determine the meaning of words or phrases that convey a specific emotion
		Uses context to determine the meaning of words or phrases that show a spatial relationship
Base Words, Affixes		
Applies knowledge of affixes to determine the meaning of a word in the 2-5 grade band	Applies knowledge of affixes to determine the meaning of a word in the 2-5 grade band	Applies knowledge of affixes to determine the meaning of a word in the 2-5 grade band
Applies knowledge of Greek or Latin roots to determine the meaning of a word in the 2-5 grade band	Applies knowledge of Greek or Latin roots to determine the meaning of a word in the 2-5 grade band	Applies knowledge of Greek or Latin roots to determine the meaning of a word in the 2-5 grade band
Understands how the prefix un- or re- changes the meaning of a word	Understands how the prefix dis-, mis- or non- changes the meaning of a word	Applies knowledge of Greek or Latin roots to determine the meaning of a word in the 6-8 grade band
Understands how the suffix -er or -or changes the meaning of a noun	Understands how the prefix un- or re- changes the meaning of a word	

Understands how the suffix -less or -ful changes the meaning of a word	Understands how the suffix -er or -or changes the meaning of a noun	Applies understanding of word meaning to define a compound word
Understands that individual words combine to form compound words	Understands how the suffix -less or -ful changes the meaning of a word	Understands how the prefix dis-, mis- or non- changes the meaning of a word
	Understands that individual words combine to form compound words	Understands how the prefix im- or in- changes the meaning of a word
	Understands that the suffix -est creates the superlative	Understands how the prefix un- or re- changes the meaning of a word
		Understands how the suffix -able or -ible changes the meaning of a word
		Understands how the suffix -er or -or changes the meaning of a noun
		Understands how the suffix -ion or -tion changes the meaning of a word
		Understands how the suffix -less or -ful changes the meaning of a word
		Understands that individual words combine to form compound words
		Understands that the suffix -est creates the superlative

Context Clues: Unknown and Multiple-Meaning Words

Determines which meaning of a multiple-meaning word in the 2-5 grade band fits a given context	Determines which meaning of a multiple-meaning word in the 2-5 grade band fits a given context	Determines which meaning of a multiple-meaning word in the 2-5 grade band fits a given context
Recognizes multiple uses for homonyms	Identifies words or phrases in context that signal or provide a definition of other words	Identifies words or phrases in context that signal or provide a definition of other words
Synthesizes context and definitions to demonstrate understanding of words	Recognizes multiple uses for homonyms	Recognizes multiple uses for homonyms
Uses context clues to define homophones	Synthesizes context and definitions to demonstrate understanding of words	Synthesizes context and definitions to demonstrate understanding of words
Uses context to determine the meaning of domain-specific words or phrases in informational text	Uses context to determine the meaning of a phrase	Uses context to determine the meaning of a phrase
Uses context to determine the meaning of words in the 2-5 grade band	Uses context to determine the meaning of domain-specific words or phrases in informational text	Uses context to determine the meaning of academic words or phrases in informational text
	Uses context to determine the meaning of words in the 2-5 grade band	Uses context to determine the meaning of domain-specific words or phrases in informational text
		Uses context to determine the meaning of words in the 2-5 grade band

<p>Uses context to determine the meaning of words or phrases that convey a specific emotion</p>	<p>Uses context to determine the meaning of words in the 6-8 grade band</p> <p>Uses context to determine the meaning of words in the 9-12 grade band</p> <p>Uses context to determine the meaning of words or phrases that convey a specific action</p> <p>Uses context to determine the meaning of words or phrases that convey a specific emotion</p> <p>Uses context to determine the meaning of words or phrases that show a spatial relationship</p>
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Picture Vocabulary

<p>Recognizes pictures of animals</p> <p>Recognizes pictures of nature</p> <p>Uses illustrations to determine word meaning</p>	<p>Recognizes pictures of nature</p> <p>Recognizes pictures of transportation</p> <p>Uses illustrations to determine word meaning</p>	<p>Uses illustrations to determine word meaning</p>
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Text Features, Visuals

<p>Locates information in glossaries or dictionaries</p> <p>Uses context and dictionary, glossary, or thesaurus entries to determine word meaning</p>	<p>Locates information in glossaries or dictionaries</p> <p>Uses context and dictionary, glossary, or thesaurus entries to determine word meaning</p>	<p>Locates information in glossaries or dictionaries</p> <p>Uses context and dictionary, glossary, or thesaurus entries to determine word meaning</p>
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VOCABULARY ACQUISITION AND USE: WORD RELATIONSHIPS AND NUANCE

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
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Word Categorization, Classification

<p>Categorizes words</p>	<p>Categorizes words</p>	<p>Categorizes words</p> <p>Classifies words according to the sense to which they appeal</p>
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Word Nuances and Shades of Meaning

Analyzes nuances in meaning among related words to determine which fits a given context

Word Relationships		
Identifies antonyms of given words in the 2-5 grade band	Identifies antonyms of given words in the 2-5 grade band	Identifies antonyms of given words in the 2-5 grade band
Identifies as antonyms pairs of words in the 2-5 grade band	Identifies as antonyms pairs of words in the 2-5 grade band	Identifies as antonyms pairs of words in the 2-5 grade band
Identifies synonyms of given words in the 2-5 grade band	Identifies as synonyms pairs of words in the 2-5 grade band	Identifies as synonyms pairs of words in the 2-5 grade band
Identifies words that complete given analogies	Identifies synonyms of given words in the 2-5 grade band	Identifies synonyms of given words in the 2-5 grade band
	Identifies words that complete given analogies	Identifies words that complete given analogies
	Recognizes when words show an item-and-category relationship	Recognizes when words show an item-and-category relationship

MAP MATH LEARNING STATEMENTS

OPERATIONS AND ALGEBRAIC THINKING

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Number Sentences/Equations/Equivalence		
Determines unknown divisors in division equations with whole numbers and dividends within 100	Determines unknown divisors in division equations with whole numbers and dividends within 100	Determines unknown factors in multiplication equations with whole numbers and products greater than 100
Determines unknown factors in multiplication equations with whole numbers and products within 100	Determines unknown factors in multiplication equations with whole numbers and products greater than 100	
Represents division equations with whole numbers as part-unknown multiplication equations	Determines unknown factors in multiplication equations with whole numbers and products within 100	
Represents subtraction equations with whole numbers as part-unknown addition equations	Represents division equations with whole numbers as part-unknown multiplication equations	
	Represents subtraction equations with whole numbers as part-unknown addition equations	
Numerical Expressions		
Evaluates numerical expressions involving addition and subtraction with whole numbers and parentheses	Evaluates numerical expressions involving multiple operations with whole numbers and parentheses	Evaluates numerical expressions involving multiple operations with whole numbers and parentheses
Evaluates numerical expressions involving multiple operations with whole numbers and parentheses	Represents descriptions of calculations with numerical expressions that include parentheses	Represents descriptions of calculations with numerical expressions that include parentheses
Properties and Relationships of Operations		
Applies the associative property of multiplication to whole numbers	Applies the associative property of multiplication to whole numbers	Applies the distributive property of multiplication to whole numbers
Represents division equations with whole numbers as part-unknown multiplication equations	Applies the distributive property of multiplication to whole numbers	Understands division as equal sharing
Represents multiplication as repeated addition	Represents division equations with whole numbers as part-unknown multiplication equations	Understands multiplication as a comparison of sizes
Represents subtraction equations with whole numbers as part-unknown addition equations	Represents multiplication as repeated addition	Understands multiplication as many groups of equal size
		Understands the inverse relationship between addition and subtraction, whole numbers within 20

Understands multiplication as a comparison of sizes	Represents subtraction equations with whole numbers as part-unknown addition equations
Understands multiplication as many groups of equal size	Understands division as equal sharing
Understands the inverse relationship between addition and subtraction, whole numbers within 20	Understands multiplication as a comparison of sizes
Understands the inverse relationship between multiplication and division	Understands multiplication as many groups of equal size
	Understands the inverse relationship between addition and subtraction, whole numbers within 20
	Understands the inverse relationship between multiplication and division

Whole Numbers and Decimals: Rounding/Estimation

Estimates solutions to multi-step word problems involving the four operations with whole numbers	Estimates solutions to multi-step word problems involving the four operations with whole numbers	Estimates solutions to multi-step word problems involving the four operations with whole numbers
Estimates solutions to one-step word problems involving any of the four operations with whole numbers	Estimates solutions to one-step word problems involving any of the four operations with whole numbers	Estimates solutions to one-step word problems involving any of the four operations with whole numbers

Whole Numbers: Concepts/Properties

Determines if sets of objects are even or odd

Whole Numbers: Multiplication/Division

Divides basic facts
Multiplies basic facts

Divides basic facts

Whole Numbers: Place Value

Decomposes numbers to make 10 as a strategy for addition or subtraction

Whole Numbers: Represent and Solve Word Problems

Estimates solutions to multi-step word problems involving the four operations with whole numbers	Estimates solutions to multi-step word problems involving the four operations with whole numbers	Estimates solutions to multi-step word problems involving the four operations with whole numbers
Represents multi-step addition and subtraction word problems with expressions or equations, whole numbers	Represents multi-step addition and subtraction word problems with expressions or equations, whole numbers	Represents multi-step addition and subtraction word problems with expressions or equations, whole numbers

Represents one-step addition and subtraction word problems with expressions or equations, whole numbers within 100	Represents one-step addition and subtraction word problems with expressions or equations, whole numbers within 100	Represents one-step addition and subtraction word problems with expressions or equations, whole numbers within 100
Represents one-step equal-groups multiplication word problems with expressions or equations, whole numbers	Represents one-step equal-groups division word problems with expressions or equations, whole numbers	Represents one-step equal-groups multiplication word problems with expressions or equations, whole numbers
Represents one-step multiplicative-comparison word problems with expressions or equations, whole numbers	Represents one-step multiplication word problems with expressions or equations, whole numbers	Solves multi-step addition and subtraction word problems, whole numbers greater than 100
Represents one-step put-together word problems with expressions or equations, answer unknown and whole numbers within 20	Represents one-step multiplicative-comparison word problems with expressions or equations, whole numbers	Solves multi-step word problems involving the four operations with whole numbers
Solves multi-step addition and subtraction word problems, whole numbers within 100	Represents one-step put-together word problems with expressions or equations, answer unknown and whole numbers within 20	Solves one-step additive-comparison word problems, whole numbers within 100
Solves multi-step word problems involving the four operations with whole numbers	Solves multi-step addition and subtraction word problems, whole numbers greater than 100	Solves one-step division word problems that require interpretation of remainders, whole numbers
Solves one-step additive-comparison word problems, whole numbers within 100	Solves multi-step addition and subtraction word problems, whole numbers within 100	Solves one-step equal-groups division word problems, whole numbers within 100
Solves one-step additive-comparison word problems, whole numbers within 20	Solves multi-step word problems involving the four operations with whole numbers	Solves one-step multiplication word problems, whole-number products within 100
Solves one-step equal-groups division word problems, whole numbers within 100	Solves one-step additive-comparison word problems, whole numbers within 100	Solves one-step multiplicative-comparison word problems, whole-number products within 100
Solves one-step equal-groups multiplication word problems, whole numbers with products within 100	Solves one-step division word problems that require interpretation of remainders, whole numbers	
Solves one-step multiplicative-comparison word problems, whole-number products within 100	Solves one-step equal-groups division word problems, whole numbers within 100	
Solves one-step put-together word problems with result unknown, whole numbers within 100	Solves one-step multiplication word problems with multi-digit whole numbers	
Solves one-step put-together word problems with result unknown, whole numbers within 20	Solves one-step multiplicative-comparison word problems, whole-number products within 100	

Solves one-step put-together word problems with start, change, or part unknown, whole numbers within 100

Solves one-step put-together word problems with start, change, or part unknown, whole numbers within 20

Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 100

Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 20

Solves put-together word problems involving three addends, whole numbers within 20

Solves one-step put-together word problems with result unknown, whole numbers within 20

Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 100

ANALYZE PATTERNS AND RELATIONSHIPS

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Patterns/Sequences/Series		
Creates or extends shape patterns when given a rule	Creates or extends number patterns when given a rule	Creates or extends number patterns when given a rule
Recognizes skip-counting patterns in 100s charts	Recognizes skip-counting patterns in 100s charts	Recognizes skip-counting patterns in 100s charts
Whole Numbers: Concepts/Properties		
Identifies factors of numbers less than 100	Identifies factors of numbers less than 100	Identifies factors of numbers less than 100
Identifies prime and composite numbers	Identifies multiples of single-digit numbers Identifies prime and composite numbers	Identifies prime and composite numbers

NUMBER AND OPERATIONS: UNDERSTAND PLACE VALUE, COUNTING, AND CARDINALITY

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Decimals: Compare/Order		

Compares decimals to the hundredths, with a different number of digits after the decimal point, using terms

Compares decimals to the hundredths, with a different number of digits after the decimal point, using terms

Compares decimals to the thousandths, with a different number of digits after the decimal point, using symbols

Decimals: Represent/Model

Represents decimals to the thousandths in word form

Represents decimals to the thousandths in word form

Exponents

Multiplies whole numbers by powers of 10 shown with exponents

Represents powers of 10 using exponents

Money

Rounds dollars and cents

Rounds dollars and cents

Number Sentences/Equations/Equivalence

Composes or decomposes whole numbers to create equivalent expressions

Whole Numbers and Decimals: Rounding/Estimation

Rounds decimals to nearest whole number

Rounds decimals to nearest whole number

Rounds decimals to nearest tenth

Rounds whole numbers within 1,000

Rounds dollars and cents

Rounds decimals to nearest whole number

Rounds whole numbers within 1,000,000

Rounds whole numbers greater than 1,000,000

Rounds dollars and cents

Rounds whole numbers within 100

Rounds whole numbers within 1,000

Rounds whole numbers greater than 1,000,000

Rounds whole numbers within 1,000,000

Rounds whole numbers within 1,000,000

Rounds whole numbers within 100

Whole Numbers: Compare/Order

Compares sets of objects within 10 using terms

Compares whole numbers greater than 10,000 using symbols

Compares whole numbers greater than 10,000 using symbols

Compares whole numbers greater than 10,000 using symbols

Compares whole numbers greater than 10,000 using terms

Compares whole numbers within 10,000

Compares whole numbers within 1,000 using symbols

using symbols

Compares whole numbers within 10,000 using symbols	Compares whole numbers within 10,000 using terms
Compares whole numbers within 10,000 using terms	
Compares whole numbers within 100 using symbols	

Whole Numbers: Counting and Cardinality

Counts backward by 100s within 1,000

Whole Numbers: Place Value

Identifies the number of tens and ones in a model	Decomposes whole numbers within 100 into tens and ones in multiple ways	Decomposes whole numbers within 100 into tens and ones in multiple ways
Reads and writes whole numbers greater than 1,000,000 in word form	Reads and writes whole numbers greater than 1,000,000 in word form	Reads and writes whole numbers greater than 1,000,000 in word form
Reads and writes whole numbers within 1,000 as hundreds, tens, and ones	Reads and writes whole numbers within 1,000 as hundreds, tens, and ones	Reads and writes whole numbers within 1,000,000 in word form
Reads and writes whole numbers within 1,000 in expanded form	Reads and writes whole numbers within 1,000,000 in expanded form	Reads and writes whole numbers within 100,000 in expanded form
Reads and writes whole numbers within 1,000,000 in word form	Reads and writes whole numbers within 1,000,000 in word form	Reads and writes whole numbers within 100,000 in word form
Reads and writes whole numbers within 10,000 in expanded form	Reads and writes whole numbers within 10,000 as thousands, hundreds, tens, and ones	Understands patterns of zeros when multiplying by 10, 100, 1,000, etc.
Reads and writes whole numbers within 100 as tens and ones	Reads and writes whole numbers within 100,000 in expanded form	Understands that the same digit, moved one place to the left, now represents 10 times the value
Reads and writes whole numbers within 100,000 in expanded form	Reads and writes whole numbers within 100,000 in word form	Understands the value of a digit in whole numbers greater than 1,000,000
Reads and writes whole numbers within 100,000 in word form	Represents whole numbers greater than 1,000 with models	Understands the value of a digit in whole numbers within 1,000,000
Represents whole numbers greater than 1,000 with models	Understands patterns of zeros when multiplying by 10, 100, 1,000, etc.	
Represents whole numbers within 1,000 with models	Understands that the same digit, moved one place to the left, now represents 10 times the value	
Understands the value of a digit in whole numbers greater than 1,000,000	Understands the value of a digit in whole numbers greater than 1,000,000	
Understands the value of a digit in whole numbers within 1,000	Understands the value of a digit in whole numbers within 1,000	
	Understands the value of a digit in whole numbers within 1,000,000	

Understands the value of a digit
in whole numbers within
1,000,000

NUMBER AND OPERATIONS IN BASE TEN

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Decimals: Addition/Subtraction		
Adds and subtracts decimals with different number of digits after the decimal point, with regrouping	Adds and subtracts decimals with different number of digits after the decimal point, with regrouping	Adds and subtracts decimals with different number of digits after the decimal point, with regrouping
Adds and subtracts decimals with the same number of digits after the decimal point, with regrouping	Adds and subtracts decimals with the same number of digits after the decimal point, with regrouping	Adds and subtracts decimals with the same number of digits after the decimal point, with regrouping
		Subtracts decimals from whole numbers
Decimals: Multiplication/Division		
Multiplies decimals by one-digit whole numbers	Multiplies decimals by one-digit whole numbers	Divides decimals by whole numbers
		Multiplies decimals by decimals
		Multiplies decimals by one-digit whole numbers
		Multiplies or divides decimals by 10, 100, or 1,000
Decimals: Represent and Solve Word Problems		
Solves multi-step word problems involving the four operations and decimals, including contexts involving money	Solves multi-step word problems involving the four operations and decimals, including contexts involving money	Solves multi-step word problems involving the four operations and decimals, including contexts involving money
Solves one-step word problems involving addition and subtraction of decimals with the same number of digits after the decimal point, including contexts involving money	Solves one-step word problems involving addition and subtraction of decimals with a different number of digits after the decimal point	Solves one-step word problems involving addition and subtraction of decimals with a different number of digits after the decimal point
Solves one-step word problems involving multiplication of one-digit whole numbers and decimals to the hundredths, including contexts involving money	Solves one-step word problems involving addition and subtraction of decimals with the same number of digits after the decimal point, including contexts involving money	Solves one-step word problems involving addition and subtraction of decimals with the same number of digits after the decimal point, including contexts involving money
	Solves one-step word problems involving multiplication of one-digit whole numbers and decimals to the	Solves one-step word problems involving division of decimals to the

hundredths, including contexts involving money	hundredths by whole numbers, including contexts involving money Solves one-step word problems involving multiplication of one-digit whole numbers and decimals to the hundredths, including contexts involving money
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Money

Solves multi-step money word problems involving decimals and coins and/or bills given as names	Determines the decimal value of a collection of coins and/or bills by computing with decimals Solves multi-step money word problems involving decimals and coins and/or bills given as names	Determines the decimal value of a collection of coins and/or bills by computing with decimals Solves multi-step money word problems involving decimals and coins and/or bills given as names
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Number Sentences/Equations/Equivalence

Composes or decomposes whole numbers to create equivalent expressions

Problem Solving with Units

Solves multi-step money word problems involving decimals and coins and/or bills given as names	Solves multi-step money word problems involving decimals and coins and/or bills given as names	Solves multi-step money word problems involving decimals and coins and/or bills given as names
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Properties and Relationships of Operations

Understands the inverse relationship between addition and subtraction, whole numbers within 20	Applies the commutative property of addition to whole numbers Applies the distributive property of multiplication to whole numbers Understands the inverse relationship between addition and subtraction, whole numbers within 20	Applies the distributive property of multiplication to whole numbers Understands the inverse relationship between addition and subtraction, whole numbers within 20
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Whole Numbers and Decimals: Rounding/Estimation

Estimates solutions to one-step word problems involving any of the four operations with decimals, including contexts involving money

Whole Numbers: Addition/Subtraction

Adds three or more whole numbers with sums greater than 100	Adds three or more whole numbers with sums greater than 100	Adds three or more whole numbers with sums greater than 100
Adds whole numbers with sums within 10,000	Subtracts whole numbers greater than 1,000	Adds whole numbers with sums within 1,000 using models
Adds whole numbers with sums within 100 using models		
Subtracts whole numbers greater than 1,000		
Subtracts whole numbers within 1,000, with regrouping		
Subtracts whole numbers within 100, with regrouping		

Whole Numbers: Multiplication/Division

Divides whole numbers up to four digits by one-digit divisors, with a remainder	Divides multi-digit whole numbers by one-digit divisors with no remainder using models	Divides multi-digit whole numbers by one-digit divisors with no remainder using models
Divides whole numbers up to four digits by one-digit divisors, without a remainder	Divides whole numbers up to four digits by one-digit divisors, with a remainder	Divides whole numbers up to four digits by one-digit divisors, without a remainder
Divides whole numbers up to four digits by two-digit divisors, with a remainder	Divides whole numbers up to four digits by one-digit divisors, without a remainder	Divides whole numbers up to four digits by two-digit divisors, with a remainder
Multiplies multi-digit whole numbers	Divides whole numbers up to four digits by two-digit divisors, with a remainder	Divides whole numbers up to four digits by two-digit divisors, without a remainder
Multiplies one-digit whole numbers by multiples of 10	Divides whole numbers up to four digits by two-digit divisors, without a remainder	Multiplies multi-digit whole numbers
Multiplies one-digit whole numbers by two-digit whole numbers	Multiplies multi-digit whole numbers	Multiplies one-digit whole numbers by whole numbers with more than two digits
Multiplies one-digit whole numbers by whole numbers with more than two digits	Multiplies one-digit whole numbers by two-digit whole numbers	Multiplies two-digit whole numbers by two-digit whole numbers
Multiplies two-digit whole numbers by two-digit whole numbers	Multiplies one-digit whole numbers by whole numbers with more than two digits	
	Multiplies three or more one-digit whole numbers	
	Multiplies two-digit whole numbers by two-digit whole numbers	

Whole Numbers: Represent and Solve Word Problems

Solves one-step division word problems with multi-digit whole numbers

NUMBER AND OPERATIONS – FRACTIONS

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Fractions: Addition/Subtraction		
Adds and subtracts fractions with like denominators	Adds and subtracts fractions with like denominators	Adds and subtracts fractions with like denominators
Adds and subtracts fractions with like denominators using models other than number lines	Adds and subtracts fractions with like denominators using models other than number lines	Adds and subtracts fractions with like denominators using models other than number lines
Adds and subtracts whole numbers, fractions, and/or mixed numbers with like denominators, no regrouping	Adds and subtracts fractions with unlike denominators Adds and subtracts whole numbers, fractions, and/or mixed numbers with like denominators, no regrouping	Adds and subtracts fractions with unlike denominators Adds and subtracts whole numbers, fractions, and/or mixed numbers with like denominators, no regrouping
Fractions: Compare/Order		
Compares fraction models with unlike numerators and denominators using words	Compares fraction models with like numerators or denominators using symbols	Compares fraction models with like numerators or denominators using symbols
Compares unit fractions using words	Compares fraction models with unlike numerators and denominators using words Compares fractions with unlike numerators and denominators using words Compares unit fractions using words	Compares fraction models with unlike numerators and denominators using symbols Compares fraction models with unlike numerators and denominators using words Compares fractions with like numerators or denominators using symbols Compares fractions with like numerators or denominators using words Compares fractions with unlike numerators and denominators using symbols Compares fractions with unlike numerators and denominators using words
Fractions: Equivalence		
Identifies equivalent fraction models Writes equivalent fractions Writes equivalent fractions for given area or set models	Converts between fractions with denominators of 10 and 100 Identifies equivalent fraction models Identifies fractions equivalent to whole numbers Writes equivalent fractions	Converts between fractions with denominators of 10 and 100 Converts between mixed numbers and improper fractions Identifies equivalent fraction models

Writes equivalent fractions for given area or set models
Writes fractions in simplest form

Identifies fractions equivalent to whole numbers
Writes equivalent fractions
Writes equivalent fractions for given area or set models
Writes fractions in simplest form

Fractions: Multiplication/Division

Multiplies fractions by fractions, results not in simplest form
Multiplies fractions by whole numbers, results in simplest form

Multiplies fractions by fractions, results not in simplest form
Multiplies fractions by whole numbers, results in simplest form
Understands that finding fractions of whole numbers is the same as finding their product

Multiplies fractions by fractions, results in simplest form
Multiplies fractions by whole numbers, results in simplest form
Understands that finding fractions of whole numbers is the same as finding their product

Fractions: Represent and Solve Word Problems

Solves one-step word problems involving addition and subtraction of fractions with like denominators
Solves one-step word problems involving addition and subtraction of fractions with like denominators using models
Solves one-step word problems involving addition and subtraction of mixed numbers with like denominators
Solves one-step word problems involving multiplication of whole numbers and unit fractions
Solves word problems about finding equivalent fractions

Solves multi-step word problems involving addition and subtraction of fractions with like denominators
Solves one-step word problems involving addition and subtraction of fractions with like denominators
Solves one-step word problems involving addition and subtraction of fractions with like denominators using models
Solves one-step word problems involving addition and subtraction of mixed numbers with like denominators
Solves one-step word problems involving multiplication of whole numbers and either fractions or mixed numbers
Solves one-step word problems involving multiplication of whole numbers and unit fractions
Solves word problems about finding equivalent fractions

Solves multi-step word problems involving addition and subtraction of fractions with like denominators
Solves multi-step word problems involving whole numbers, fractions and/or mixed numbers
Solves one-step word problems involving addition and subtraction of fractions with like denominators
Solves one-step word problems involving addition and subtraction of fractions with like denominators using models
Solves one-step word problems involving addition and subtraction of mixed numbers with like denominators
Solves one-step word problems involving addition and subtraction of mixed numbers with unlike denominators
Solves one-step word problems involving division of whole numbers by unit fractions
Solves one-step word problems involving multiplication of whole numbers and either fractions or mixed numbers

Solves one-step word problems involving multiplication of whole numbers and unit fractions

Solves word problems about finding equivalent fractions

Fractions: Represent/Model

Locates unit fractions on a number line	Locates unit fractions on a number line	Locates non-unit proper fractions on a number line
Models non-unit fractions using area models	Models non-unit fractions using area models	Locates unit fractions on a number line
Models unit fractions using area models		

Rates/Ratios/Proportions/Percents

Calculates unit rates	Calculates unit rates
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Rational Numbers: Equivalence

Converts between decimals and fractions with denominators of 10 or 100	Converts between decimals and fractions with denominators of 10 or 100	Converts between decimals and fractions with denominators of 10 or 100
Converts between decimals and fractions with denominators of 2, 4, or 5	Converts between decimals and fractions with denominators of 2, 4, or 5	Converts between decimals and fractions with denominators of 2, 4, or 5

MEASUREMENT AND DATA: GEOMETRIC MEASUREMENT AND PROBLEM SOLVING

Reinforce these skills & concepts

Develop these skills & concepts

Introduce these skills & concepts

Angle Measurement

Compares angle measures to benchmark angles	Compares angle measures to benchmark angles	Knows the definition of an angle
Identifies/estimates angle measures	Identifies/estimates angle measures	Measures non-right angles using a protractor
Measures non-right angles using a protractor	Measures non-right angles using a protractor	

Area

Determines the area of figures composed of whole and partial unit squares	Determines the area of figures composed of whole and partial unit squares	Determines side lengths given the area of rectangles
Determines the area of rectangles with whole number sides, given the formula	Determines the area of rectangles with whole number sides, given the formula	Determines the area of rectangles with whole-number sides, formula not provided
Determines the area of rectangles with whole-number sides, formula not provided	Determines the area of rectangles with whole-number sides, formula not provided	Solves problems involving areas of figures composed of polygons within a real-world or mathematical context
Estimates the area of figures using square units	Recognizes situations which describe area	

Recognizes situations which describe area Solves problems involving areas of rectangles within a real-world or mathematical context	Solves problems involving areas of rectangles within a real-world or mathematical context	Solves problems involving areas of rectangles within a real-world or mathematical context Solves problems involving both area and perimeter of rectangles within a real-world or mathematical context
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Capacity

Completes simple conversions of customary units of capacity Knows relative sizes of metric units of capacity	Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units Completes simple conversions of customary units of capacity Estimates the capacity of objects in metric units Measures the capacity of objects in metric units Solves multi-step capacity word problems involving whole numbers and conversion of customary units	Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units Completes conversions of metric units of capacity Completes simple conversions of customary units of capacity
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Conversion of Units

Completes complex conversions of customary units of length involving fractions, decimals, or more than two units Completes complex conversions of more than two units of time Completes simple conversions of customary units of capacity Completes simple conversions of customary units of length Completes simple conversions of customary units of weight Completes simple conversions of units of time Solves multi-step length word problems involving whole numbers and conversion of customary units	Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units Completes complex conversions of customary units of length involving fractions, decimals, or more than two units Completes complex conversions of more than two units of time Completes conversions of metric units of mass Completes simple conversions of customary units of capacity Completes simple conversions of customary units of length Completes simple conversions of customary units of weight Completes simple conversions of units of time	Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units Completes complex conversions of customary units of length involving fractions, decimals, or more than two units Completes complex conversions of customary units of weight involving fractions, decimals, or more than two units Completes complex conversions of more than two units of time Completes conversions of metric units of capacity Completes conversions of metric units of length Completes conversions of metric units of mass
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Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.	Solves multi-step capacity word problems involving whole numbers and conversion of customary units Solves multi-step length word problems involving decimals or fractions and conversion of customary units Solves multi-step length word problems involving whole numbers and conversion of customary units Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.	Completes simple conversions of customary units of capacity Completes simple conversions of customary units of length Completes simple conversions of customary units of weight Solves multi-step length word problems involving decimals or fractions and conversion of customary units Solves multi-step length word problems involving whole numbers and conversion of customary units Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.
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Length

Completes complex conversions of customary units of length involving fractions, decimals, or more than two units Completes simple conversions of customary units of length Knows the appropriate metric unit or tool to measure length Solves multi-step length word problems involving whole numbers and conversion of customary units Understands measurement involving rulers	Completes complex conversions of customary units of length involving fractions, decimals, or more than two units Completes simple conversions of customary units of length Solves multi-step length word problems involving decimals or fractions and conversion of customary units Solves multi-step length word problems involving whole numbers and conversion of customary units	Completes complex conversions of customary units of length involving fractions, decimals, or more than two units Completes conversions of metric units of length Completes simple conversions of customary units of length Solves multi-step length word problems involving decimals or fractions and conversion of customary units Solves multi-step length word problems involving whole numbers and conversion of customary units
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Money

Solves money word problems involving whole numbers and coins Solves multi-step money word problems involving decimals and coins and/or bills given as names	Solves multi-step money word problems involving decimals and coins and/or bills given as names	Compares whole number money amounts given coin and bill names Solves multi-step money word problems involving decimals and coins and/or bills given as names
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Perimeter/Circumference

Determines side lengths given the perimeter of rectangles
 Determines the perimeter of basic polygons in which not all sides are labeled
 Solves problems involving perimeters of rectangles within a real-world or mathematical context

Counts to find the perimeter of complex figures
 Describes the effect on perimeter when dimensions of a rectangle are changed
 Determines side lengths given the perimeter of rectangles
 Determines the perimeter of basic polygons in which not all sides are labeled
 Solves problems involving perimeters of rectangles within a real-world or mathematical context

Determines side lengths given the perimeter of rectangles
 Determines the perimeter of basic polygons in which not all sides are labeled
 Determines the perimeter of complex figures in which not all sides are labeled
 Solves problems involving both area and perimeter of rectangles within a real-world or mathematical context
 Solves problems involving perimeters of rectangles within a real-world or mathematical context

Problem Solving with Units

Solves elapsed-time word problems across both minutes and hours
 Solves elapsed-time word problems across either minutes or hours
 Solves money word problems involving whole numbers and coins
 Solves multi-step length word problems involving whole numbers and conversion of customary units
 Solves multi-step money word problems involving decimals and coins and/or bills given as names
 Solves multi-step money word problems involving whole numbers within 100
 Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.
 Solves one-step capacity word problems involving whole number multiplication or division
 Solves one-step money word problems involving whole number addition or subtraction
 Solves one-step time word problems involving addition or subtraction

Solves elapsed-time word problems across both minutes and hours
 Solves elapsed-time word problems across either minutes or hours
 Solves multi-step capacity word problems involving whole numbers and conversion of customary units
 Solves multi-step length word problems involving decimals or fractions and conversion of customary units
 Solves multi-step length word problems involving whole numbers
 Solves multi-step length word problems involving whole numbers and conversion of customary units
 Solves multi-step money word problems involving decimals and coins and/or bills given as names
 Solves multi-step money word problems involving whole numbers within 100
 Solves multi-step temperature word problems involving whole numbers
 Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.

Solves elapsed-time word problems across both minutes and hours
 Solves elapsed-time word problems across either minutes or hours
 Solves multi-step length word problems involving decimals or fractions and conversion of customary units
 Solves multi-step length word problems involving whole numbers and conversion of customary units
 Solves multi-step money word problems involving decimals and coins and/or bills given as names
 Solves multi-step money word problems involving whole numbers within 100
 Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.
 Solves problems involving areas of figures composed of polygons within a real-world or mathematical context
 Solves problems involving areas of rectangles within a real-world or mathematical context

Solves one-step time word problems involving multiplication or division	Solves one-step capacity word problems involving whole number multiplication or division	Solves problems involving both area and perimeter of rectangles within a real-world or mathematical context
Solves one-step weight/mass word problems involving whole number addition and subtraction	Solves problems involving areas of rectangles within a real-world or mathematical context	Solves problems involving perimeters of rectangles within a real-world or mathematical context
Solves problems involving areas of rectangles within a real-world or mathematical context	Solves problems involving perimeters of rectangles within a real-world or mathematical context	Solves problems involving volumes of rectangular prisms within a real-world or mathematical context
Solves problems involving perimeters of rectangles within a real-world or mathematical context	Solves problems involving rectangular prisms composed of unit cubes	
Solves problems involving rectangular prisms composed of unit cubes		
Time		
Completes complex conversions of more than two units of time	Completes complex conversions of more than two units of time	Completes complex conversions of more than two units of time
Completes simple conversions of units of time	Completes simple conversions of units of time	Solves elapsed-time word problems across both minutes and hours
Determines elapsed time across both minutes and hours using clocks	Determines elapsed time across both minutes and hours using clocks	Solves elapsed-time word problems across either minutes or hours
Determines elapsed time across either minutes or hours using clocks	Solves elapsed-time word problems across both minutes and hours	Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.
Reads analog clocks to the nearest five minutes	Solves elapsed-time word problems across either minutes or hours	
Reads analog clocks to the nearest minute	Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.	
Solves elapsed-time word problems across both minutes and hours		
Solves elapsed-time word problems across either minutes or hours		
Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.		
Understands time interval concepts: quarter to, half past, etc.		
Volume		
Determines the volume of figures by counting unit cubes	Determines the volume of figures by counting unit cubes	Determines the length, width, or height given the volume of a rectangular prism and two of the dimensions
	Determines the volume of rectangular prisms, formula not provided	

Solves problems involving rectangular prisms composed of unit cubes	Solves problems involving rectangular prisms composed of unit cubes	Determines the volume of figures by counting unit cubes Determines the volume of rectangular prisms, formula not provided Solves problems involving volumes of rectangular prisms within a real-world or mathematical context
Weight/Mass		
Completes simple conversions of customary units of weight Estimates the mass of objects in metric units	Completes conversions of metric units of mass Completes simple conversions of customary units of weight	Completes complex conversions of customary units of weight involving fractions, decimals, or more than two units Completes conversions of metric units of mass Completes simple conversions of customary units of weight

REPRESENT AND INTERPRET DATA

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Data Analysis		
Adds and subtracts to answer questions about bar graphs with multi-unit scales Adds and subtracts to answer questions about bar graphs with single-unit scales Adds and subtracts to answer questions about pictographs with multi-unit scales Reads pictographs with multi-unit scales to determine how many in a category Solves multi-step problems using data from bar graphs with single-unit scales	Adds and subtracts to answer questions about bar graphs with multi-unit scales Adds and subtracts to answer questions about pictographs with multi-unit scales	Solves multi-step word problems using data from line or dot plots with fractional scales
Data Representation		
Represents data in bar graphs with multi-unit scales	Represents data in line or dot plots with fractional scales	

Represents data in bar graphs with single-unit scales	Represents data in line or dot plots with whole number scales
Represents data in line or dot plots with whole number scales	
Represents data in pictographs with multi-unit scales	
Represents data in picture graphs with multi-unit scales	

Fractions: Represent and Solve Word Problems

Solves multi-step word problems using data from line or dot plots with fractional scales

GEOMETRY: REASON WITH SHAPES, ATTRIBUTES, & COORDINATE PLANE

Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Angle Measurement		
Compares angle measures to benchmark angles	Compares angle measures to benchmark angles	
Coordinate Geometry		
Determines the coordinates of missing vertices of geometric figures in the first quadrant given the other vertices plotted on the coordinate plane	Determines the coordinates of missing vertices of geometric figures in the first quadrant given the other vertices plotted on the coordinate plane	Determines the coordinates of missing vertices of geometric figures in the first quadrant given the other vertices plotted on the coordinate plane
Determines the coordinates of points in the first quadrant of a coordinate plane	Determines the coordinates of points in the first quadrant of a coordinate plane	Determines the coordinates of points in the first quadrant of a coordinate plane
Determines the distance between two points with the same first or second coordinate	Interprets points with whole number coordinates in the first quadrant within the given context	Interprets points with whole number coordinates in the first quadrant within the given context
Interprets points with whole number coordinates in the first quadrant within the given context	Plots the coordinates of points in the first quadrant of a coordinate plane	
Plots the coordinates of points in the first quadrant of a coordinate plane		

Fractions: Represent/Model

Identifies shapes that are divided into quarters

Identification and Classification of 2-D Shapes

Classifies 2-D shapes by properties, given pictures	Classifies 2-D shapes by properties, given pictures	Identifies and names nonbasic shapes, such as trapezoids, hexagons, etc.
Composes or decomposes 2-D shapes to form new shapes	Identifies and names nonbasic shapes, such as trapezoids, hexagons, etc.	Identifies properties of a 2-D shape, such as right angles, parallel sides, etc., given pictures
Identifies and names nonbasic shapes, such as trapezoids, hexagons, etc.	Identifies properties of a 2-D shape, such as right angles, parallel sides, etc., given pictures	Knows definitions of special triangles, such as acute, right, scalene, etc.
Identifies properties of a 2-D shape, such as right angles, parallel sides, etc., given pictures	Knows definitions of non-basic shapes, such as trapezoids, hexagons, etc.	Understands the relationships among categories of shapes
Knows definitions of non-basic shapes, such as trapezoids, hexagons, etc.	Knows definitions of special triangles, such as acute, right, scalene, etc.	
Knows definitions of special triangles, such as acute, right, scalene, etc.	Understands the relationships among categories of shapes	
Understands the relationships among categories of shapes		

Identification and Classification of 3-D Shapes

Composes or decomposes 3-D shapes to form new shapes	Knows properties of 3-D shapes
Knows properties of 3-D shapes	

Points, Lines, Segments, Rays, and Angles

Identifies acute or obtuse angles	Identifies acute or obtuse angles	Identifies acute or obtuse angles
Identifies parallel lines	Identifies parallel lines	Identifies parallel lines
Identifies parallel lines involving real-world objects	Identifies perpendicular lines involving real-world objects	Identifies perpendicular lines involving real-world objects
Identifies points, lines, rays, line segments, and angles	Identifies points, lines, rays, line segments, and angles	Identifies points, lines, rays, line segments, and angles

Spatial Concepts and Symmetry

Composes or decomposes 2-D shapes to form new shapes	Determines the number of lines of symmetry in 2-D figures	Determines the number of lines of symmetry in 2-D figures
Composes or decomposes 3-D shapes to form new shapes		
Determines the number of lines of symmetry in 2-D figures		
Identifies 2-D figures which have line symmetry		