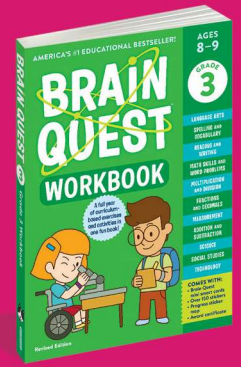


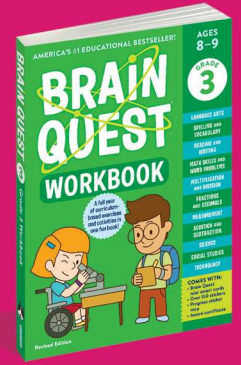
# BRAIN QUEST®



## Brain Quest Workbook: Third Grade

GRADE	3	SPELLING & VOCABULARY	CCSS ELA LITERACY Language
L.3.1.b		Form and use regular and irregular plural nouns.	
L.3.2		Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.	
L.3.2.e		Use conventional spelling for high-frequency and other studied words and for adding suffixes to base words (e.g., sitting, smiled, cries, happiness).	
L.3.2.f		Use spelling patterns and generalizations (e.g., word families, position-based spellings, syllable patterns, ending rules, meaningful word parts) in writing words.	
L.3.4.a		Use sentence-level context as a clue to the meaning of a word or phrase.	
L.3.4.b		Determine the meaning of the new word formed when a known affix is added to a known word (e.g., agreeable/disagreeable, comfortable/uncomfortable, care/careless, heat/preheat).	
L.3.4.c		Use a known root word as a clue to the meaning of an unknown word with the same root (e.g., company, companion).	
		LANGUAGE ARTS	CCSS ELA LITERACY Language
L.3.1.a		Explain the function of nouns, pronouns, verbs, adjectives, and adverbs in general and their functions in particular sentences.	
L.3.1.d		Form and use regular and irregular verbs.	
L.3.1.e		Form and use the simple (e.g., I walked; I walk; I will walk) verb tenses.	
L.3.1.f		Ensure subject-verb and pronoun-antecedent agreement.	
L.3.2.a		Capitalize appropriate words in titles.	
L.3.2.d		Form and use possessives.	
L.3.5		Demonstrate understanding of figurative language, word relationships and nuances in word meanings.	
L.3.5.a		Distinguish the literal and nonliteral meanings of words and phrases in context (e.g., take steps).	

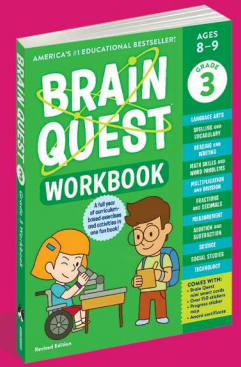
# BRAIN QUEST®



## Brain Quest Workbook: Third Grade

GRADE	3	READING	CCSS ELA LITERACY Reading: Literature
RL.3.1		Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.	
RL.3.2		Recount stories, including fables, folktales, and myths from diverse cultures; determine the central message, lesson, or moral and explain how it is conveyed through key details in the text.	
RL.3.3		Describe characters in a story (e.g., their traits, motivations, or feelings) and explain how their actions contribute to the sequence of events.	
		WRITING	CCSS ELA LITERACY Writing
W.3.1		Write opinion pieces on topics or texts, supporting a point of view with reasons.	
W.3.1.a		Introduce the topic or text they are writing about, state an opinion, and create an organizational structure that lists reasons.	
W.3.1.b		Provide reasons that support the opinion.	
W.3.1.c		Use linking words and phrases (e.g., because, therefore, since, for example) to connect opinion and reasons.	
W.3.1.d		Provide a concluding statement or section.	
W.3.2		Write informative/explanatory texts to examine a topic and convey ideas and information clearly.	
W.3.3		Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.	

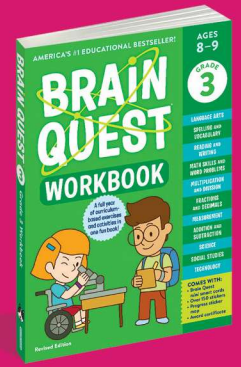
# BRAIN QUEST®



## Brain Quest Workbook: Third Grade

GRADE	3	MATH SKILLS	CCSS MATH Number and Operations in Base Ten
	3.NBT.1	Use place value understanding to round whole numbers to the nearest 10 or 100.	
	3.NBT.2	Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.	
		ADDITION AND SUBTRACTION	CCSS MATH Number and Operations in Base Ten
	3.NBT.2	Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.	
		MULTIPLICATION AND DIVISION	CCSS MATH Number and Operations in Base Ten and Operations and Algebraic Thinking
	3.NBT.3	Multiply one-digit whole numbers by multiples of 10 in the range 10–90 (e.g., $9 \times 80$ , $5 \times 60$ ) using strategies based on place value and properties of operations.	
	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.	
	3.OA.A.2	Interpret whole-number quotients of whole numbers, e.g., interpret $56 \div 8$ as the number of objects in each share when 56 objects are partitioned equally into 8 shares, or as a number of shares when 56 objects are partitioned into equal shares of 8 objects each.	
	3.OA.B.5	Apply properties of operations as strategies to multiply and divide.	

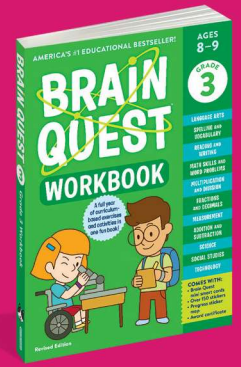
# BRAIN QUEST®



## Brain Quest Workbook: Third Grade

GRADE	3	<b>FRACTIONS AND DECIMALS</b>	<b>CCSS MATH</b> Number and Operation—Fractions
3.NF.A.1		Understand a fraction $1/b$ as the quantity formed by 1 part when a whole is partitioned into $b$ equal parts; understand a fraction $a/b$ as the quantity formed by $a$ parts of size $1/b$ .	
3.NF.A.3.B		Recognize and generate simple equivalent fractions, e.g., $1/2 = 2/4$ , $4/6 = 2/3$ . Explain why 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.	
		<b>MEASUREMENT</b>	<b>CCSS MATH</b> Measurement and Data and Geometry
3.MD.C.5		Recognize area as an attribute of plane figures and understand concepts of area measurement.	
3.MD.C.7		Relate area to the operations of multiplication and addition.	
3.G.A.2		Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole.	
		<b>SOCIAL STUDIES</b>	<b>CCSS ELA LITERACY</b> Reading: Informational Text
RI.3.3		Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text, using language that pertains to time, sequence, and cause/effect.	
RI.3.7		Use information gained from illustrations (e.g., maps, photographs) and the words in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur).	

# BRAIN QUEST®



## Brain Quest Workbook: Third Grade

GRADE	3	SCIENCE	NEXT GENERATION SCIENCE STANDARDS (NGSS)
	3-LS1-1	<b>Life Cycles and Traits</b> Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death.	
	3-PS2-1	<b>Forces and Interactions</b> Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.	
	3-PS2-3	Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.	
	3-ESS2-1	<b>Weather and Climate</b> Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.	
		TECHNOLOGY	COMPUTER SCIENCE STANDARDS (CSTA)
	1B-AP-08	<b>Algorithms &amp; Programming</b> Compare and refine multiple algorithms for the same task and determine which is the most appropriate.	
	1B-AP-10	Create programs that include sequences, events, loops, and conditionals.	
	1B-DA-06	<b>Data &amp; Analysis</b> Use data to highlight or propose cause-and-effect relationships, predict outcomes, or communicate an idea.	
	1B-IC-18	<b>Impacts of Computing</b> Discuss computing technologies that have changed the world, and express how those technologies influence, and are influenced by, cultural practices.	
	1B-NI-05	<b>Networks &amp; the Internet</b> Discuss real-world cybersecurity problems and how personal information can be protected.	