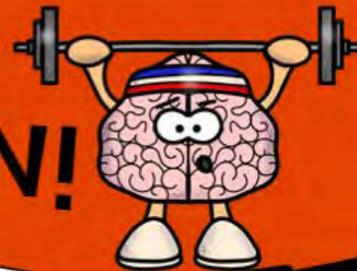


FALL LOGIC PUZZLES



Grades
4-6

EXERCISE YOUR
BRAIN!



F R E E !

Sample

SWING LEAVES

body to cle
rather use

BRAD

BILLY

MR

Read
m
S

crisp.
m make apple pie is an alliteration.
ple tart.

THANK YOU!

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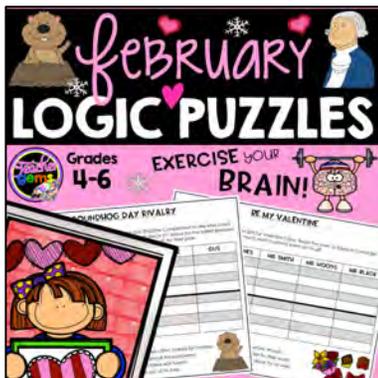
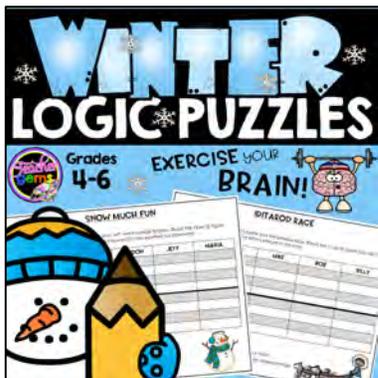
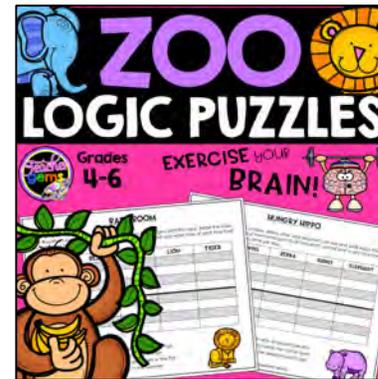
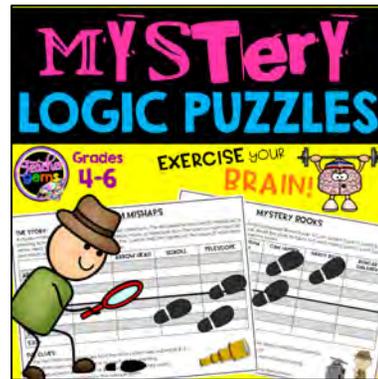
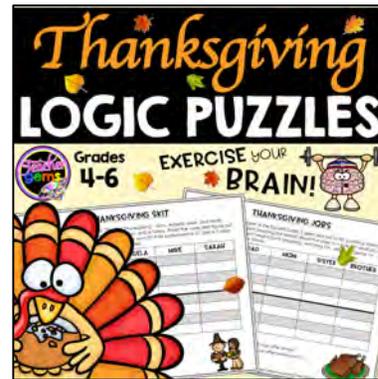
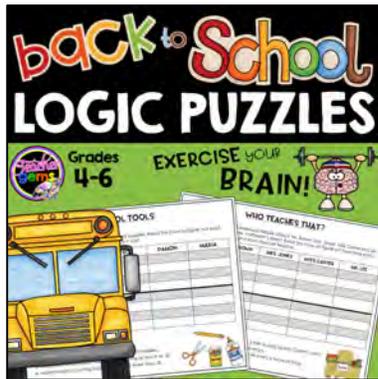
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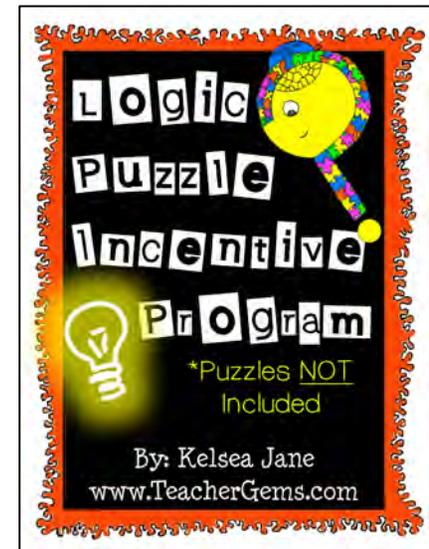


"Children are a gift from the Lord"
-Psalm 127:3

MORE LOGIC PUZZLES FROM TEACHER GEMS



...and more
coming
soon!



LOGIC PUZZLES

- Logic puzzles are a great way to **increase higher-order thinking skills**. Use these to work on skills such as making inferences, deductive reasoning, critical thinking, process of elimination, and more.
- **It is very important that you teach your students how to solve these logic puzzles by doing one together first!** Teach them how to check off the “no” options and circle the “yes” options (see instructions on the next page). It is also important that students **use pencil** so they can erase if they make mistakes.
- **Challenge** your **students** to think outside the box. If they get stuck on a clue, don't just give them the answer; instead, **provide additional hints or ask questions** to steer them toward the correct answer. For example, in the fall crafts puzzle it says, “Neither the pumpkin nor apple were made with paint or pom-poms.” You could ask your students, “What does that tell you about the other two crafts (leaf and acorn)?” (That they must have been made with paint or pom-poms).
- Students should have some **prior-knowledge** of animals. For example, they will need to know what color fur different bears have.
- If students get an answer incorrect; instead of giving them the correct answer, point out which row is incorrect and see if they can fix it. If two students had difficulty with the same row, have them **work together** to see if they can solve it. A good opportunity to teach that two heads are better than one!

INSTRUCTIONS:

X = no
O = yes

	SAM	JAMIE	TOM	PAYTON
DAD		X		X
MOM	X	O	X	X
SISTER		X		
BROTHER		X		X
FOOD				
FAMILY				
FRIENDS		X	X	
CLOTHES				

To solve these logic puzzles, read the story and all of the clues. As you read the clues fill in the chart by placing an “X” in each “no” box (not a possibility) and an “O” in the box of each correct answer (the “yes”). Each row and each column should have just one “O” or “yes” response. See sample below. *Note: There may be clues in the story so students must read each story carefully!

THE STORY:

Each year at Thanksgiving, the Robinson family goes around the table and each person says one thing that they are thankful for. Read the clues below to figure out who each person is in the family and what one thing each person is thankful for.

THE CLUES:

1. Payton is a girl. (so she can't be the dad or brother – place an “X” under Payton beside Dad and Brother)
2. The boys are thankful for food and friends. (we can't use this information yet)
3. Neither Tom nor Jamie have any friends. (Tom & Jamie can't be thankful for friends if they don't have any – place an “X” under Tom and Jamie next to friends)
4. Jamie is the mom and hates doing laundry. (Jamie is the mom so place an “O” where Jamie and Mom intersect. Now you can place an “X” in the other squares of that row and column (because if Jamie is the mom she isn't the dad, sister, or brother and Sam, Tom and Payton are not the mom) Now you can see that leaves Payton as the sister (since all the other choices are “X” for her). As you read through the clues a second and third time you should be able to complete the chart.
5. Sam does not have any children.

SWEET APPLE TREATS

THE STORY:

Four moms and their kids (boys: Kevin & Mitch; girls: Tara & Lela) made apple desserts. Read the clues to figure out which one kid helped each mom and what one dessert each mom made.

	MRS. SMITH	MRS. JONES	MRS. LEE	MRS. DAVIS
APPLE PIE				
APPLE CRISP				
APPLE SAUCE				
APPLE TART				
KEVIN				
TARA				
MITCH				
LELA				

THE CLUES:

1. Tara helped her mom make apple crisp.
2. The kid's name who helped their mom make apple pie is an alliteration.
3. Mrs. Smith's son is friends with Kevin.
4. Neither Mitch nor Mrs. Jones made apple tart.



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SWEET APPLE TREATS

ANSWER KEY:

X = no, O = yes

	MRS. SMITH	MRS. JONES	MRS. LEE	MRS. DAVIS
APPLE PIE	X	X	O	X
APPLE CRISP	X	O	X	X
APPLE SAUCE	O	X	X	X
APPLE TART	X	X	X	O
KEVIN	X	X	X	O
TARA	X	O	X	X
MITCH	O	X	X	X
LELA	X	X	O	X

THE CLUES:

1. Tara helped her mom make apple crisp.
2. The kid's name who helped their mom make apple pie is an alliteration.
3. Mrs. Smith's son is friends with Kevin.
4. Neither Mitch nor Mrs. Jones made apple tart.



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