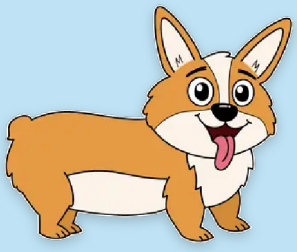
LOGIC PUZZLES · GRADES 2–3

First Logic Grid Puzzles

Read the clues. Put an X in a box when the answer is no, and an O when it is yes. Each person has just one.



Name: _____ **Date:** _____

Puzzle 1: Who has which pet?

	cat	dog	fish
Ava			
Ben			
Cara			

Clues

1. Ben's pet has no fur.
2. Ava's pet does not bark.

Answers

Ava: _____ **Ben:** _____

Cara: _____

Puzzle 2: Who plays which sport?

	soccer	swimming	tennis
Dev			
Eli			
Fay			

Clues

1. Fay needs a pool for her sport.
2. Dev does not use a racket.

Answers

Dev: _____ **Eli:** _____

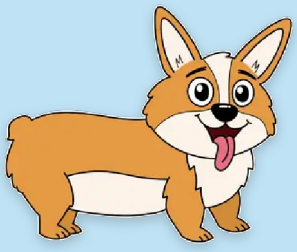
Fay: _____

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ANSWER KEY · LOGIC PUZZLES · FOR GROWN-UPS

Answer Key: First Logic Grid Puzzles

Read the clues. Put an X in a box when the answer is no, and an O when it is yes. Each person has just one.



Puzzle 1: Who has which pet?

	cat	dog	fish
Ava	O	X	X
Ben	X	X	O
Cara	X	O	X

Clues

1. Ben's pet has no fur.
2. Ava's pet does not bark.

Answers

Ava: cat **Ben:** fish

Cara: dog

Puzzle 2: Who plays which sport?

	soccer	swimming	tennis
Dev	O	X	X
Eli	X	X	O
Fay	X	O	X

Clues

1. Fay needs a pool for her sport.
2. Dev does not use a racket.

Answers

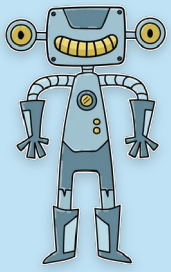
Dev: soccer **Eli:** tennis

Fay: swimming

Art © Kevin Coulston

LOGIC PUZZLES · GRADES 2–3

Mini Sudoku Puzzles



Write 1, 2, 3 or 4 in each empty square. Each row, each column and each thick box has each number once.

Name: _____ **Date:** _____

Puzzle 1

	3		
2	4		
		4	
4		3	2

Puzzle 2

3	4		
2	3	1	4
		3	

Puzzle 3

3	2		
4			
2			
1		2	4

Puzzle 4

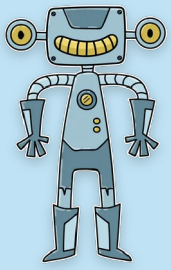
	4		
1			3
			4
4	1		2

Art © Kevin Coulston

ANSWER KEY · LOGIC PUZZLES · FOR GROWN-UPS

Answer Key: Mini Sudoku Puzzles

Write 1, 2, 3 or 4 in each empty square. Each row, each column and each thick box has each number once.



Puzzle 1

1	3	2	4
2	4	1	3
3	2	4	1
4	1	3	2

Puzzle 2

1	2	4	3
3	4	2	1
2	3	1	4
4	1	3	2

Puzzle 3

3	2	4	1
4	1	3	2
2	4	1	3
1	3	2	4

Puzzle 4

3	4	2	1
1	2	4	3
2	3	1	4
4	1	3	2

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LOGIC PUZZLES · GRADES 3–5

Brain Teaser Riddles



Think carefully: the answer is often not what it seems! Write your answer on the line.

Name: _____ **Date:** _____

What has hands but cannot clap?

_____

What has to be broken before you can use it?

_____

What gets wetter the more it dries?

_____

What goes up but never comes down?

_____

What has a neck but no head?

_____

I am full of holes, but I can still hold water. What am I?

_____

What has many teeth but cannot bite?

_____

What comes once in a minute, twice in a moment and never in a thousand years?

_____

You have 3 apples and you take away 2. How many apples do you have?

_____

What can you catch but never throw?

_____

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ANSWER KEY · LOGIC PUZZLES · FOR GROWN-UPS

Answer Key: Brain Teaser Riddles

Think carefully: the answer is often not what it seems! Write your answer on the line.



What has hands but cannot clap?

a clock

What has to be broken before you can use it?

an egg

What gets wetter the more it dries?

a towel

What goes up but never comes down?

your age

What has a neck but no head?

a bottle

I am full of holes, but I can still hold water. What am I?

a sponge

What has many teeth but cannot bite?

a comb

What comes once in a minute, twice in a moment and never in a thousand years?

the letter M

You have 3 apples and you take away 2. How many apples do you have?

2 (the ones you took)

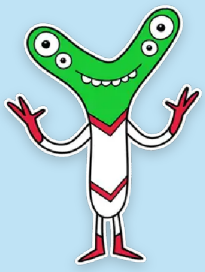
What can you catch but never throw?

a cold

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LOGIC PUZZLES · GRADES 3–5

Mystery Number Riddles



Read each clue. Use the hundred chart in your head (or on paper) to find the mystery number.

Name: _____ **Date:** _____

1. I am a two-digit number. My tens digit is 4. My ones digit is 2 more than my tens digit. ☐

2. I am between 20 and 30. I am even. My digits add up to 10. ☐

3. I am a two-digit number less than 50. I am a multiple of 9. My tens digit is 3. ☐

4. I am a two-digit odd number. My tens digit is double my ones digit. I am more than 50. ☐

5. I am a three-digit number. My hundreds digit is 7, my tens digit is 0, and my ones digit is the number of sides on a triangle. ☐

6. I am a multiple of 5 between 60 and 80. My digits add up to 12. ☐

7. You say me when you count by 10s. I am more than 80 and less than 100. ☐

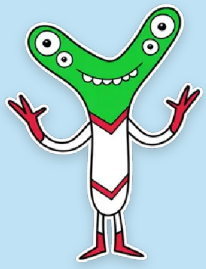
8. I am a two-digit number made by multiplying a number by itself. My digits add up to 13. ☐

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ANSWER KEY · LOGIC PUZZLES · FOR GROWN-UPS

Answer Key: Mystery Number Riddles

Read each clue. Use the hundred chart in your head (or on paper) to find the mystery number.



1	I am a two-digit number. My tens digit is 4. My ones digit is 2 more than my tens digit.	46
2	I am between 20 and 30. I am even. My digits add up to 10.	28
3	I am a two-digit number less than 50. I am a multiple of 9. My tens digit is 3.	36
4	I am a two-digit odd number. My tens digit is double my ones digit. I am more than 50.	63
5	I am a three-digit number. My hundreds digit is 7, my tens digit is 0, and my ones digit is the number of sides on a triangle.	703
6	I am a multiple of 5 between 60 and 80. My digits add up to 12.	75
7	You say me when you count by 10s. I am more than 80 and less than 100.	90
8	I am a two-digit number made by multiplying a number by itself. My digits add up to 13.	49

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LOGIC PUZZLES · GRADES 4–5

Logic Grid: After-School Clubs

Read the clues. Put an X when the answer is no and an O when it is yes. Each person has just one, and no two people share.

Name: _____ **Date:** _____



Puzzle 1: Who is in which club?

	art	chess	coding	drama
Gus				
Hana				
Ivy				
Jon				

Clues

1. Hana is not in the chess club or the coding club.
2. Gus and Ivy are not in the drama club.
3. Jon is in the coding club or the chess club.
4. Ivy is not in the chess club or the art club.
5. Gus is not in the coding club.

Answers

Gus: _____ **Hana:** _____

Ivy: _____ **Jon:** _____

Puzzle 2: Who ate which lunch?

	pizza	soup	tacos	salad
Kim				
Leo				
Max				
Nia				

Clues

1. Kim and Leo did not eat soup.
2. Nia ate tacos.
3. Leo did not eat pizza.

Answers

Kim: _____ **Leo:** _____

Max: _____ **Nia:** _____

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ANSWER KEY · LOGIC PUZZLES · FOR GROWN-UPS

Answer Key: Logic Grid: After-School Clubs

Read the clues. Put an X when the answer is no and an O when it is yes. Each person has just one, and no two people share.



Puzzle 1: Who is in which club?

	art	chess	coding	drama
Gus	O	X	X	X
Hana	X	X	X	O
Ivy	X	X	O	X
Jon	X	O	X	X

Clues

1. Hana is not in the chess club or the coding club.
2. Gus and Ivy are not in the drama club.
3. Jon is in the coding club or the chess club.
4. Ivy is not in the chess club or the art club.
5. Gus is not in the coding club.

Answers

Gus: art **Hana:** drama

Ivy: coding **Jon:** chess

Puzzle 2: Who ate which lunch?

	pizza	soup	tacos	salad
Kim	O	X	X	X
Leo	X	X	X	O
Max	X	O	X	X
Nia	X	X	O	X

Clues

1. Kim and Leo did not eat soup.
2. Nia ate tacos.
3. Leo did not eat pizza.

Answers

Kim: pizza **Leo:** salad

Max: soup **Nia:** tacos

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