# ADVENTURE BOOK

# 1

**For digital explorers**

logiscool

# WAS YOUR SYMBOL A TABLET BACK IN KINDERGARTEN? DO YOU LOVE DIGITAL ADVENTURES?

Then you're in the right place! Step into the world of the future with us, go through the missions, and when you're done, check out our super exciting online games via the solution links!

Hey there! I'm **LogiRobi**.
What's your name?

.......................................................
Your Name

**Did you know that** LogiRobi is the galaxy's top hide-and-seek champion?
He's hiding in many places in this book – and even online!
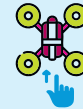Can you spot him in every hiding place?

**Count how many LogiRobis you can find in these pages, write the number on the last page of the book, and get ready for the online game!**

# DID YOU KNOW...

That there's a smart water bottle that reminds you to drink more – and even lights up when it's time to take a sip?

There's a mini drone you can control with your hands – just show it some gestures, and it will follow your moves!

People use 3D printers that can make delicious treats– pasta, chocolate, or even pizza can be "printed"!

More than 10 years ago, TikTok didn't even exist, and just a few years ago, was no ChatGPT either.

**Now it's your turn to explore the world of coding and shape what will amaze us all in the next decade!**

DID YOU KNOW?

THE FIRST COMPUTER

ALMOST
**2,5 METERS**
TALL

AND WEIGHED ABOUT
**30 000KG**
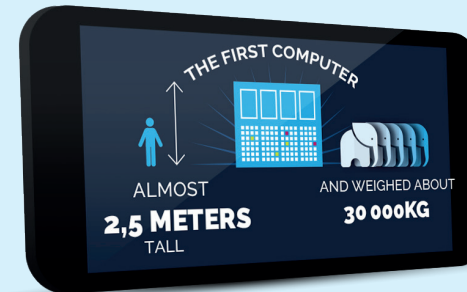
I'll give you 1024 – just to make it a round number!

Hi! Can I borrow 1000 HUF?

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**An elephant** is standing on the shore of a lake and he wants you to help him figure out what his weight is. Unfortunately, you only have **one scale that can only measure up to 5 kilograms,** but you also have a **huge boat!**

**So... how can you help the elephant figure out just how heavy the situation really is?**

# CHAOS IN THE CONTROL ROOM

There's been a mix-up in the command center – the robot controllers got shuffled! Help the commander figure out which robot goes with which controller so they can launch the next mission on time!

**remote control**    **tablet**    **joystick**    **laptop**

Bitbot

5P-iDR
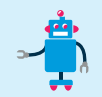
LogitrON

Zibot

## THE COMMANDER'S NOTES:

1. Zibot's controller is the biggest of them a
2. The table can be used to control either 5P-iDR or LogitrON.
3. 5P-iDR can't be controlled by the remote at all.
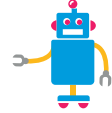4. Bitbot cannot be controlled with either a tablet or a laptop.

## COMMANDER'S LOG & INVENTORY:

| ROBOTS | Bitbot | 5P-iDR | LogitrON | Zibot |
|---|---|---|---|---|
| CONTROLLERS | | | | |

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# SPOT THE DIFFERENCE

A true digital explorer has a sharp eye – always scanning for free Wi-Fi and the coolest games.

**Can you find all six differences between the two pictures below?**





> Once, a computer beat me at chess, **but it didn't stand a chance against me in karate**!

# DOUBLE-CROSSWORD PUZZLE

**Answer the questions below carefully, then read the letters in the colored strip to find out what real gamers fear the most!**

1. The most well-known search engine on the internet.
2. The world's first computer programmer.
3. Users' thoughts, messages, or opinions on various forums or under social media posts (e.g., pictures or articles).
4. The name of Harry Potter's favorite owl.
5. A superhero who can say only one word: his own name. His best friend is a fierce, talkative raccoon.
6. One of the coolest villains of all time – from the dark side of the Force.
7. The other name for a self-photograph.
8. The British mathematician who led the effort to crack the previously unbreakable German code, the Enigma.
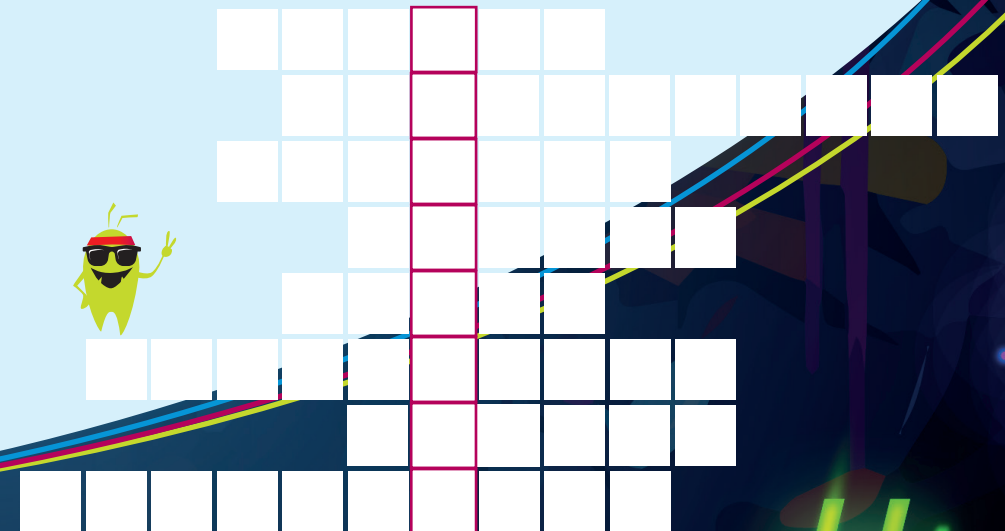
# WILD WEST PUZZLE QUEST

This is Mathobot, the coolest digital cowboy in the world of numbers!
But right now, poor thing is feeling quite sad — as you can see, his outlines are incomplete. Because of that, he's freezing — every little breeze slips in through the missing parts. **Help him patch up the holes with the correct answers!**
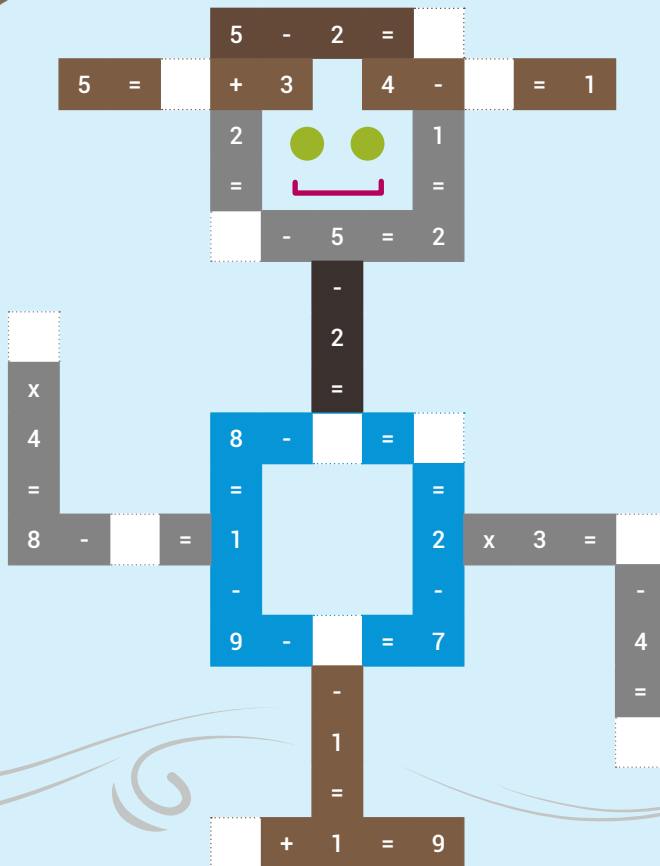


# PIXELATOR

**Solve the color code below by coloring all even numbers in red!**
So… what's the solution? What figure appeared in the picture?

| 1 | 33 | 9 | 139 | 21 | 97 | 105 | 3 | 29 | 531 | 5 | 99 | 2 | 61 | 5 | 371 | 7 | 523 | 45 | 29 | 321 | 41 | 93 | 151 | 11 |
|---|----|---|-----|----|----|-----|---|----|-----|---|----|---|----|---|-----|---|-----|----|----|-----|----|----|-----|----|
| 7 | 153 | 99 | 633 | 91 | 19 | 33 | 563 | 3 | 197 | 253 | 44 | 20 | 18 | 623 | 81 | 771 | 9 | 73 | 105 | 81 | 333 | 71 | 111 | 3 |
| 369 | 15 | 41 | 831 | 5 | 87 | 301 | 73 | 25 | 175 | 99 | 98 | 102 | 508 | 105 | 3 | 29 | 21 | 191 | 3 | 441 | 87 | 39 | 235 | 67 |
| 3 | 29 | 111 | 3 | 27 | 71 | 573 | 49 | 1 | 981 | 3 | 45 | 307 | 17 | 33 | 563 | 3 | 345 | 33 | 563 | 5 | 311 | 37 | 29 | 531 |
| 563 | 3 | 235 | 67 | 29 | 11 | 93 | 105 | 6 | 326 | 32 | 458 | 4 | 162 | 54 | 8 | 60 | 13 | 301 | 73 | 623 | 81 | 791 | 3 | 197 |
| 71 | 21 | 97 | 19 | 235 | 7 | 29 | 33 | 562 | 771 | 9 | 203 | 61 | 15 | 69 | 105 | 22 | 9 | 79 | 87 | 301 | 73 | 25 | 105 | 19 |
| 633 | 91 | 19 | 3 | 21 | 91 | 158 | 21 | 8 | 7 | 12 | 422 | 13 | 26 | 108 | 99 | 436 | 29 | 80 | 75 | 35 | 19 | 33 | 563 | 3 |
| 71 | 21 | 33 | 361 | 61 | 2 | 62 | 35 | 402 | 195 | 81 | 33 | 47 | 81 | 791 | 5 | 34 | 3 | 672 | 50 | 523 | 45 | 21 | 373 | 21 |
| 633 | 91 | 81 | 27 | 29 | 531 | 30 | 93 | 232 | 28 | 94 | 10 | 236 | 18 | 2 | 842 | 82 | 373 | 38 | 321 | 41 | 93 | 151 | 29 | 161 |
| 19 | 31 | 37 | 9 | 3 | 61 | 5 | 371 | 24 | 154 | 3 | 26 | 6 | 782 | 45 | 28 | 92 | 41 | 93 | 139 | 21 | 97 | 213 | 7 | 21 |
| 503 | 59 | 341 | 81 | 373 | 21 | 97 | 105 | 182 | 46 | 87 | 3 | 29 | 441 | 71 | 292 | 68 | 333 | 71 | 21 | 27 | 19 | 91 | 37 | 61 |
| 73 | 623 | 1 | 45 | 29 | 161 | 51 | 7 | 337 | 38 | 222 | 8 | 482 | 20 | 462 | 86 | 623 | 81 | 791 | 91 | 19 | 3 | 15 | 53 | 9 |
| 87 | 301 | 81 | 79 | 175 | 3 | 197 | 253 | 321 | 41 | 93 | 942 | 32 | 258 | 49 | 369 | 15 | 41 | 523 | 45 | 29 | 321 | 7 | 153 | 99 |
| 633 | 91 | 19 | 303 | 18 | 678 | 36 | 192 | 4 | 678 | 72 | 6 | 372 | 98 | 74 | 968 | 2 | 376 | 22 | 60 | 56 | 51 | 19 | 33 | 563 |
| 33 | 371 | 5 | 20 | 462 | 326 | 32 | 458 | 93 | 5 | 33 | 10 | 236 | 18 | 2 | 40 | 36 | 24 | 672 | 10 | 916 | 8 | 183 | 49 | 603 |
| 21 | 81 | 968 | 2 | 80 | 43 | 5 | 26 | 41 | 10 | 91 | 662 | 8 | 238 | 96 | 86 | 330 | 80 | 61 | 5 | 270 | 38 | 62 | 5 | 311 |
| 151 | 3 | 40 | 36 | 965 | 105 | 333 | 940 | 119 | 45 | 21 | 6 | 830 | 70 | 962 | 18 | 90 | 42 | 309 | 97 | 9 | 20 | 4 | 373 | 81 |
| 213 | 563 | 86 | 330 | 831 | 33 | 29 | 100 | 275 | 30 | 11 | 50 | 236 | 18 | 252 | 48 | 86 | 38 | 161 | 51 | 73 | 2 | 556 | 29 | 107 |
| 87 | 301 | 73 | 25 | 3 | 21 | 373 | 72 | 21 | 391 | 47 | 92 | 6 | 782 | 10 | 236 | 18 | 2 | 71 | 573 | 49 | 25 | 563 | 7 | 345 |
| 3 | 80 | 236 | 18 | 252 | 151 | 29 | 236 | 18 | 568 | 34 | 18 | 678 | 32 | 920 | 8 | 34 | 236 | 441 | 29 | 326 | 32 | 458 | 90 | 123 |
| 373 | 672 | 45 | 623 | 32 | 23 | 3 | 321 | 7 | 153 | 21 | 97 | 105 | 3 | 29 | 441 | 87 | 39 | 63 | 3 | 46 | 531 | 17 | 86 | 7 |
| 29 | 38 | 7 | 301 | 2 | 9 | 27 | 678 | 36 | 192 | 4 | 678 | 22 | 60 | 232 | 28 | 94 | 10 | 95 | 25 | 38 | 197 | 175 | 18 | 247 |
| 175 | 21 | 97 | 161 | 29 | 21 | 105 | 91 | 19 | 33 | 5 | 38 | 222 | 8 | 19 | 33 | 563 | 9 | 81 | 771 | 27 | 29 | 981 | 27 | 3 |
| 29 | 9 | 43 | 37 | 3 | 17 | 771 | 9 | 73 | 105 | 81 | 162 | 54 | 90 | 371 | 7 | 523 | 45 | 29 | 9 | 43 | 5 | 373 | 21 | 99 |
| 21 | 623 | 81 | 791 | 563 | 3 | 345 | 81 | 97 | 53 | 563 | 3 | 197 | 23 | 71 | 21 | 97 | 963 | 21 | 97 | 105 | 333 | 29 | 73 | 11 |
| 61 | 105 | 3 | 29 | 45 | 307 | 17 | 6 | 372 | 98 | 74 | 18 | 678 | 36 | 192 | 330 | 80 | 56 | 91 | 19 | 33 | 29 | 105 | 41 | 93 |
| 9 | 15 | 69 | 81 | 79 | 91 | 22 | 60 | 236 | 18 | 2 | 376 | 22 | 60 | 56 | 90 | 482 | 916 | 458 | 601 | 35 | 79 | 175 | 21 | 97 |

Just imagine — there's an awesome computer game where he's the main character!
If you want to try it out, add the solution to the end of the link below, type the full link into your browser, and prove you're the fastest in the game you'll find there!

**my.logiscool.com/code/**

**Did you know?** In the 17th century, there lived a famous pirate named Olivier Levasseur, who is said to have stolen more treasure than any other pirate in history. He hid it somewhere on an island and marked the location using a special pigpen cipher, embedding the coded message in a necklace. According to legend, as he stood on the gallows awaiting execution, he threw the necklace into the crowd and shouted: "Let the one who can understand this find my treasure!"

Many have tried to crack the code since then — and even today, treasure hunters are still searching — but no one has managed to solve it yet!

# PIGPEN CIPHER

Why is the simple pigpen cipher called that?
Because each letter is enclosed in its own little "pen" or "fence" — just like pigs in a pen! That's actually where its English name comes from: pigpen cipher.

| A | B | C |
|---|---|---|
| D | E | F |
| G | H | I |

| J | K | L |
|---|---|---|
| M | N | O |
| P | Q | R |

S T U V (X-grid with S top, T left, U right, V bottom)

W X Y Z (X-grid with W top, X left, Y right, Z bottom)

Here's what the alphabet looks like in pigpen code:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

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Logirobi loves secret codes, and the pigpen cipher is one of his absolute favorites. **Can you crack the message he's sending you?**

⌐A □□ �456V△□□L
□□L<□□ ⌐ L□7⌐VL□□L .

Message from LogiRobi:

LogiRobi wants to get to know you a little better.
**Write the following answers using the pigpen cipher!**

Your name:

Your favorite (animated) movie:

Your favorite band or singer:

Your favorite superhero:

Your favorite YouTuber:

Your favorite game:

Your best friend's name:

**Now write a coded message to your friend using the pigpen cipher!**

# BIRTHDAY CODE BREAKING

Anna got a phone for her birthday, and as a surprise, her mom baked her favorite treat. The whole family loves puzzles, so they came up with a fun idea: they set up a multi-level screen lock on the phone! **If Anna wants to use it, she'll have to crack the codes below — and she'll need your help to do it! If you manage to unlock the phone, you'll also discover what's on the menu for her birthday dinner!**

1. level 2. level 3. level 4. level 5. level
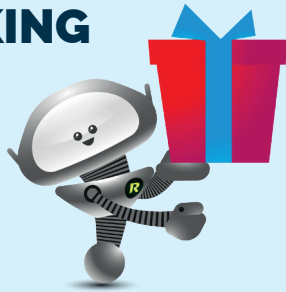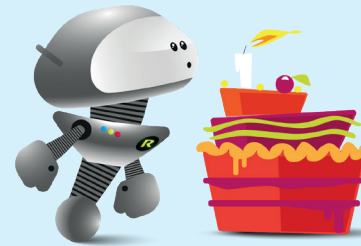
**Codes:**

1. szint:   **a3  a2  a1  b1  c1  c2  b2  a2**
2. szint:   **b1  b2  b3**
3. szint:   **a1  b1  c1  b2  a3  b3  c3**
4. szint:   **c3  b3  a3  b2  c1  b1  a1**
5. szint:   **a3  b2  c1  c2  c3  c2  b2**

**Helper Sheet:**

|   | a | b | c |
|---|---|---|---|
| 1 | ● | ● | ● |
| 2 | ● | ● | ● |
| 3 | ● | ● | ● |

Did you figure out what Anna is having for dinner?
Then add the **answer to the end of the link below, type the full link into your browser, and unlock the bonus game!**

**my.logiscool.com/code/**

**Did you know?** The 2016 Ford F-150 pickup truck contains around 150 million lines of code, while the Space Shuttle — a spacecraft designed to carry humans into space — ran on just 400,000 lines of code!

*400,000*
*lines of code*

*150 millio*
*lines of code*

**Did you know?** You can even celebrate your birthday party at Logiscool with your best friends! You can try to escape from a virtual escape room, or pick from awesome creative and tech themes like Roblox, Minecraft, Hacker, or Digital Illustration!
Learn more about birthday parties at:
**www.logiscool.com/en/birthdays**

# THE ALPHABET SOUP MISSION

The peaceful inhabitants of planet Z-YX are in serious trouble! The residents of planet Q-RS have decided to invade them! The smartest scientists on Z-YX have come up with a clever plan: they're asking kids from Earth for help.
They've created a secret code that will be sent via tomato soup — so the attackers won't suspect a thing.

**Here's your mission: First, answer these questions that may seem simple to humans,** but are incredibly difficult for the Q-RS aliens!
**Write your answers in the boxes next to the questions.**

**Then, decode the numbers using the Universal Letter Code Table below, and circle the letter along with its number code!**

### UNIVERSAL LETTER CODE TABLE:

| 22 | 18 | 26 | 12 | 1 | 5 | 9 | 23 | 10 | 13 | 20 | 3 | 8 |
|----|----|----|----|---|---|---|----|----|----|----|---|---|
| a | b | c | d | e | f | g | h | i | j | k | l | m |

| 15 | 25 | 7 | 24 | 2 | 6 | 4 | 14 | 19 | 11 | 17 | 21 | 16 |
|----|----|---|----|---|---|---|----|----|----|----|----|----|
| n | o | p | q | r | s | t | u | v | w | x | y | z |

he first even number after zero:

How many angles does a triangle have on Earth?

Earth's infinity symbol turned sideways looks like:

Most Earthlings have this many fingers on one hand:

What number month is September on Earth?

How many sides does a cube have?

How many humps does a dromedary camel have?

How many main compass directions are there on Earth?

How many colors are there in a rainbow?

What is the binary representation of the number 2 on Earth?

**Now circle the letter codes you found in the "Earth-style" tomato soup below, then connect them in order by their corresponding Earth numbers — from smallest to largest!**
Ready? Let's go!

What shape did you get?
**Type the answer (in English** — it's a word you've probably used many times!) at the end of the link below, **then enter the full link into your browser to unlock the game and save the inhabitants of planet Z-YX!**
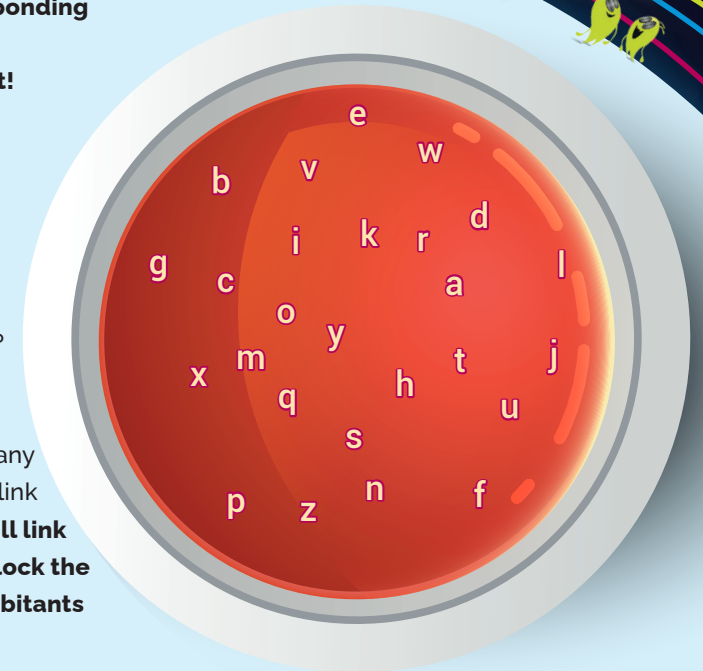
**my.logiscool.com/code/**

## DID YOU KNOW? THERE'S A VERY SPECIAL SCHOOL,

where students can't wait for the semester to begin! It's a place where hundreds of thousands of children in over 30 countries have already started learning about artificial intelligence, coding, and the digital world.

According to our surveys,

# 90%

of Logiscool **students** and their **parents** are extremely satisfied with our programs.

## TRAVELLERS AND ZOMBIES

Three apocalyptic travellers and three brain-eater zombies have arrived to the river bank and all of them want to cross it. They have found a hydroplane near, but only two passengers can fit in. Here's the challenge:

**At no point can the zombies outnumber the travellers on either side of the river — for obvious reasons. How can they cross the river, so that no one gets eaten or hurt?**

**There are 10 kinds of people in the world: those** who understand binary... and those who don't.

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# CONGRATULATIONS!

**The first adventure is over – you've successfully completed the first challenge in the adventure book!**
We hope you had fun online too!

Download your Certificate for completing the first mission from **lsc.io/ab1** and show it to everyone so they're aware of your awesome grasp of the digital world!

If you've made it this far, there's one more thing you can do: type **my.logiscool.com/code/logirobi** into your browser and catch the hiding LogiRobi there too! So, how many of its hiding places have you discovered?

**CHALLENGE Nr. 1 COMPLETED**

## SOLUTIONS

You can download the solutions from here:
**logiscool.com/en/docs/adventure-book1-solutions**

**Visit the nearest Logiscool with your parents and friends and get a glimpse into the future at a super fun, free open-day!**
Create your very own computer game together!

**Register at www.logiscool.com,**
bring this completed booklet with you, and you'll also receive a cool gift!

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|  | Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
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| Monday | Tuesday | Wednesday | Thursday | Friday |
|--------|---------|-----------|----------|--------|