



**Районная научно-практическая конференция
«Купчинские юношеские чтения: наука,
творчество, поиск»**

Digital security

01

02

03

04

*Made by Kalinina Svetlana,
Tumanova Ann
the students of 11"A"grade*

Teacher Plakhova A.V

Tasks

Explore the types of computer viruses

Explore the distribution channels of viruses

Examine computer virus spread statistics

Explore virus control methods and preventative measures

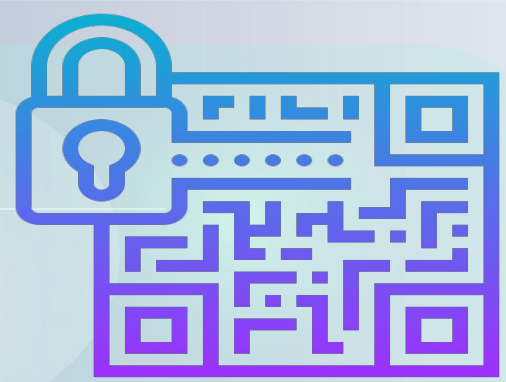
E

01 02 03 04

Digital security — is a set of measures aimed at protecting information from virus attacks.

« **COMPUTER VIRUS IS A PROGRAM THAT CAN INFECT OTHER PROGRAMS BY ADDING TO THEM ITS OWN COPIES** »





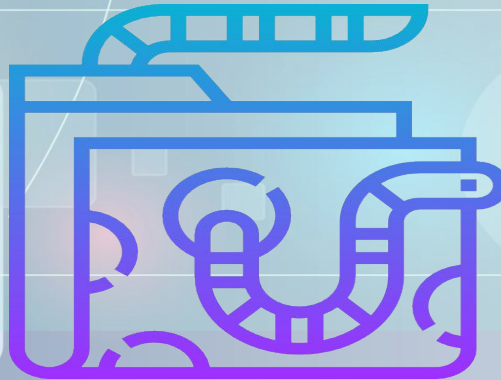
Types of computer threats

Trojan

Worm program

Data encryption

03 04 05 06



Types of computer threats

Trojan

- Malicious action — unauthorized access to a computer
- The method of infection — opening a useful program in which the Trojan server is embedded
- Methods of prevention — Using proven antivirus software

Worm program

Data encryption



Backdoor

Types of computer threats

Trojan

Worm program

Data encryption

- Malicious action — worm program capable of self-reproduction, copying itself
- The method of infection — enters the computer attached to files
- Methods of prevention — Using proven antivirus software



I love you

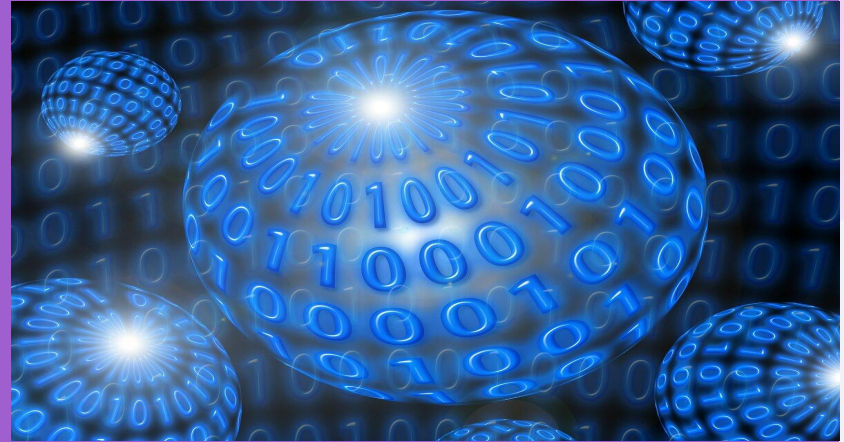
Types of computer threats

Trojan

- Malicious action — destroy or publish data without the consent of the user
- The method of infection — through a hacked website or a letter with a virus
- Methods of prevention — Using proven antivirus software

Worm program

Data encryption



Macro.World.ShareFun

Virus Detection Methods



DrWeb Online

Kaspersky VirusDesk



VirusTotal



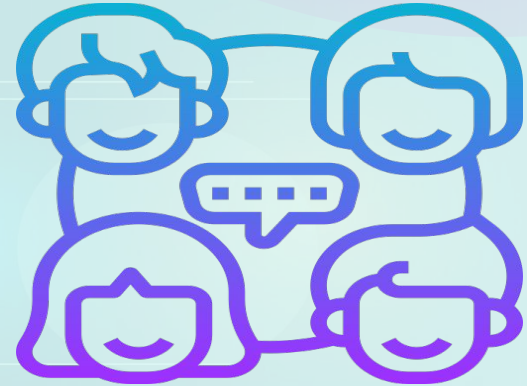
Mobile threats as a type of virus

08

09

10

11



Mobile threats as a type of virus

Mobile viruses spread through communication channels:

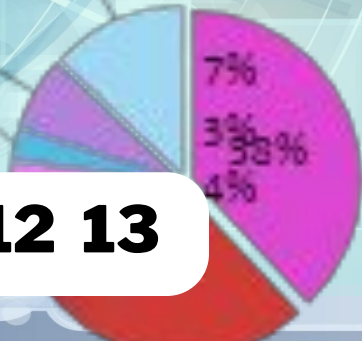
- SMS / MMS
- Bluetooth
- Inter



What are computer viruses aimed at in the 21st century?

- credit and financial sector
- objects of state authorities
- rocket and space industry
- health care
- objects of education and the defense industry
- another

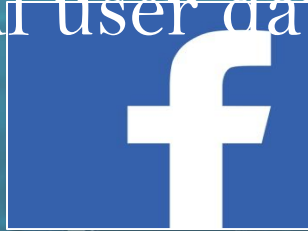
13%



10 11 12 13

Phishing

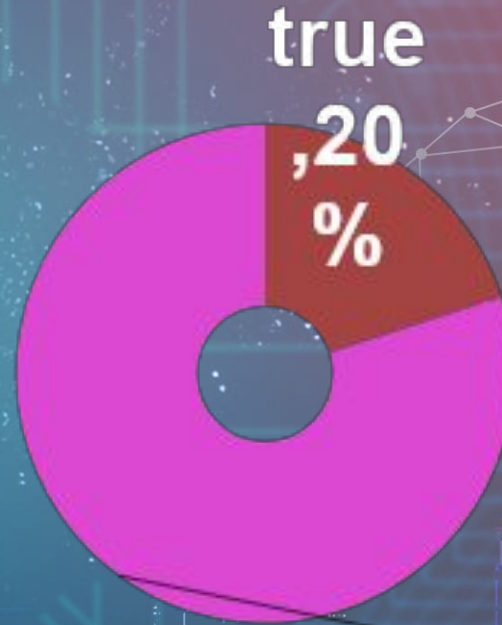
- **Phishing** — is a type of Internet fraud, the purpose of which is to gain access to confidential user data.



11 12 13 14

The study of the relevance of computer viruses' problem in a group of students

Do viruses and worms always require user interaction?



12 13 14 15

The study of the relevance of computer viruses' problem in a group of students

Are email attachments from known senders safe?

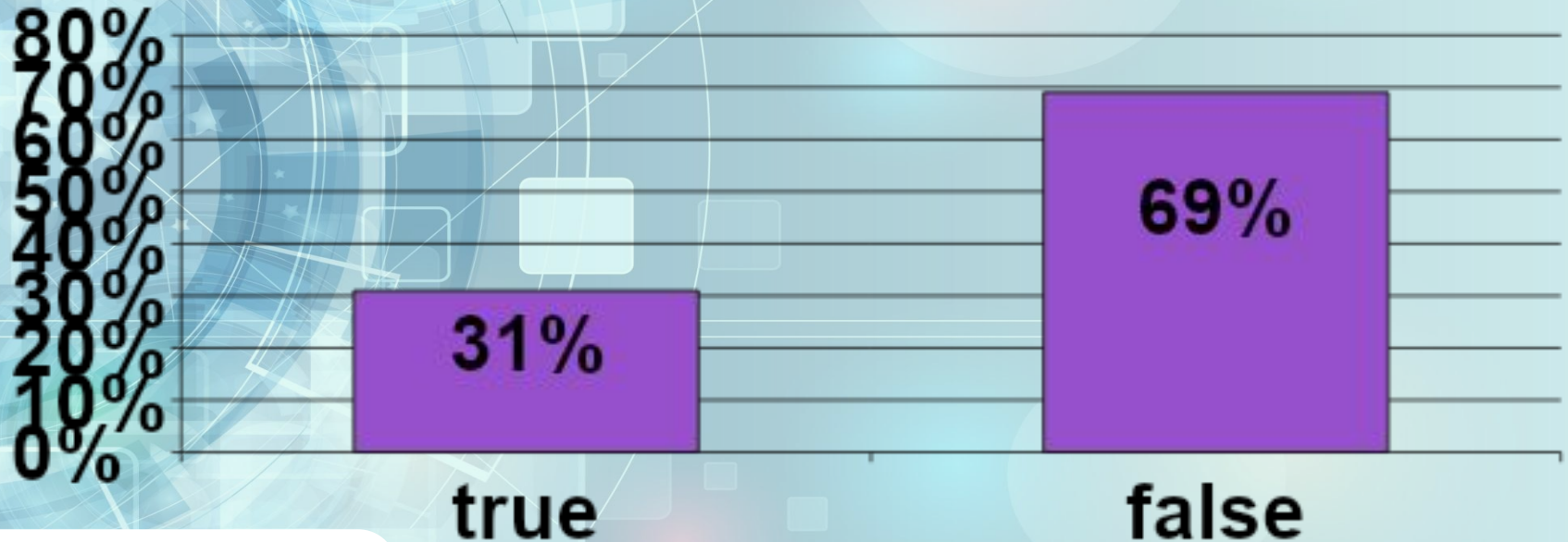
fals
e,6
5%



tru
e,3
5%

13 14 15 16

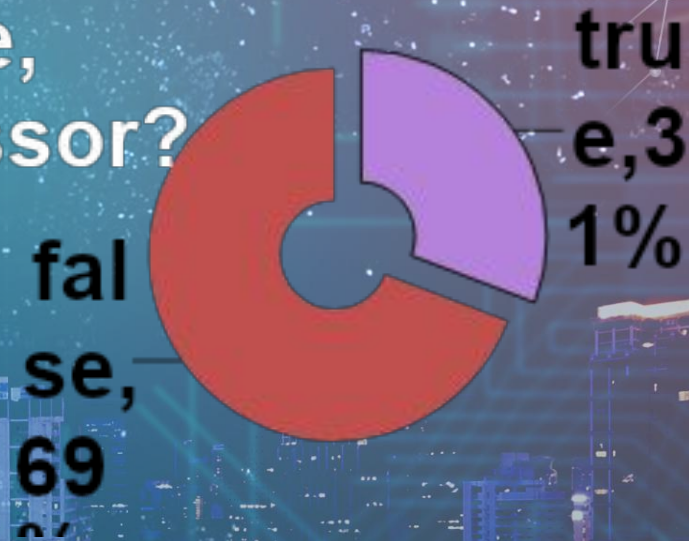
The study of the relevance of computer viruses' problem in a group of students



14 15 16 17

The study of the relevance of computer viruses' problem in a group of students

A computer virus can break any device or component - for example, a hard drive, video card, or processor?



14 15 16 17

- Фото размещения памятки вк

- Фото распечатанной версии памятки

Thank you for your attention!

14 15 16 17