Hi! I’m Grace CyBear.

What is your name? ________________

1. Orange
2. Blue
3. Light Grey
4. Black
5. Dark Grey
Can You Help Vint CyBear Navigate the Cyber Maze?
A verb is an action word. It tells what someone or something is doing.

Draw a line to match each sentence with an action verb. Then write the action verbs on the lines to finish the sentences.

1. A desktop computer ________ electricity to work. \[post\]
2. Laptop computers can ________ to the Internet. \[plays\]
3. A computer mouse ________ users navigate Web pages. \[track\]
4. Passwords ________ your personal information. \[helps\]
5. Smart phones can ________ your location. \[connect\]
6. Parents ________ family photos on social media. \[protect\]
7. Vint ________ video games with friends. \[uses\]

Can you think of three more verbs to describe Vint? Write your answers on the lines below.

________________________
________________________
________________________

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Connect the dots from 1 to 143. Then color in Ada CyBear!
A sentence begins with a capital letter.

Write the beginning words correctly to make a sentence.

- A desktop computer is designed for use on a desk due to its size and power needs.
- Firewall software protects your computer from cyber-attacks.
- Cyber-attacks can harm your computer if your computer’s Firewall software is not updated.
- A Denial of Service attack can be prevented when Firewall software is updated.
- Wireless routers and other wireless devices should have Firewall software.
A sentence begins with a capital letter.
A telling sentence ends with a period (.)
An asking sentence ends with a quotation mark (?)

Rewrite each sentence correctly.

1. what kind of information can a computer process

2. a computer processes numbers, words, and pictures

3. computers come in many forms

4. small computers can control other machines

5. did you know computers have a brain

6. computers use electricity to work
Words in a sentence must be in the correct order to make sense.

Read each group of words below. The words are not in the correct order. Rewrite each sentence in the correct order. Each sentence should begin with a capital letter and end with a period.

1. The computer first was invented in the 1830s

2. Computers electronic were invented in the 1940s

3. Cost they millions of dollars

4. Most today computers use electric currents

5. Computers using communicate numbers
**A contraction consists of two words that are combined to form one word.**

Fill in the bubble below next to the contraction that correctly completes the sentence.

1. **Our computers _____ as secure as they should be.**
   - doesn’t
   - aren’t
   - haven’t

2. **Mobile phones _____ be cleaned with soap and water.**
   - shouldn’t
   - hadn’t
   - wasn’t

3. **Desktop computers _____ work wirelessly.**
   - don’t
   - isn’t
   - wasn’t

4. **Tablets _____ designed to be toys.**
   - haven’t
   - couldn’t
   - aren’t

5. **A computer mouse _____ an animal.**
   - isn’t
   - didn’t
   - can’t

6. **Kids _____ play games on their phones without permission.**
   - hadn’t
   - didn’t
   - shouldn’t

7. **Online games _____ always free to play.**
   - aren’t
   - didn’t
   - don’t

8. **Bears _____ make good pets.**
   - don’t
   - weren’t
   - haven’t
Combining sentences

Two sentences that share the same subject can be combined to make one sentence by using the word **and**.

**Rewrite the sentences by combining their endings.**

1. A desktop computer needs a monitor.
   A desktop computer needs a keyboard.
   **A desktop computer needs a monitor and keyboard.**

2. A computer follows instructions.
   A computer follows programs.

3. A computer helps us study.
   A computer helps us learn.

   Computers help build skyscrapers.

5. Computers allow us to shop online for clothes.
   Computers allow us to shop online for groceries.

6. Computer applications are found on tablets.
   Computer applications are found on smartphones.
A **cryptologist** is a person that uncovers secret codes, or messages, and may create secret codes for other people to discover. Cryptologists can work for the government, the military, computer companies, and financial organizations to keep private information safe and secure.

Use the letters in **cryptologist** to uncover the words below their meaning.

<table>
<thead>
<tr>
<th></th>
<th>“software that disguises itself as harmless but causes trouble”</th>
<th>“code available online for free”</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>_ _ _ j _ _ _ r _ _</td>
<td>o _ _ _ o _ _ _ _</td>
</tr>
<tr>
<td>2</td>
<td>“emails pretending to be from someone you know”</td>
<td>“computer data will be harmed unless money is paid”</td>
</tr>
<tr>
<td></td>
<td>_ h _ _ _ _ g</td>
<td>_ a _ _ _ w _ _ _</td>
</tr>
<tr>
<td>3</td>
<td>“computer files locked away until you pay for them”</td>
<td>“simple form of code”</td>
</tr>
<tr>
<td></td>
<td>_ _ _ t _ _ _ k _ _</td>
<td>_ c _ _ _ _</td>
</tr>
<tr>
<td>4</td>
<td>“creates Internet connection”</td>
<td>“tracks your activity online”</td>
</tr>
<tr>
<td></td>
<td>_ s _ _ _ n n _ _ _ _</td>
<td>_ _ _ k _ _</td>
</tr>
</tbody>
</table>

**Words**
- ransomware
- trojan horse
- cookie
- isp connection
- cryptolocker
- open source
- script
- phishing
Quotation marks are used to identify the exact words someone says. They go before the speaker’s first word. They also go at the end of the sentence after the punctuation mark.

Read the sentences below. Then put quotation marks where they belong. The first sentence has been done for you.

1. Grandma asked, “Where do I find my pictures on the phone?”
2. Ada replied, “That’s easy! I can help you.”
3. Grandma said, “That would be wonderful.”
4. Ada responded, “Your photos are in a specific pictures app on the home screen.”
5. Grandma smiled and asked, “How do I get into that app?”
6. Ada pointed and said, “Just touch the app icon with your finger and it will open for you!”
7. Grandma exclaimed excitedly, “Thank you dear!”
8. Ada responded, “You are welcome, Grandma.”
Common nouns name people, places, or things.

Circle the words below that are nouns.

- doorbell
- lightbulb
- house
- full
- play
- office
- girl
- laptop
- engineer
- connect
- radio
- share
- protect

Write each noun you circled under the correct heading.

<table>
<thead>
<tr>
<th>People</th>
<th>Place</th>
<th>Thing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>
Here is a map grid game. Study the map and look for each square below it. Write the square name under each picture. The first one has been done for you.
A desktop computer system includes a **Monitor** to display information and a **Central Processing Unit (CPU)** that helps you put information into the computer. A computer **Keyboard** helps you navigate information on the monitor. The **Speakers** produce sounds. The brain of the computer system, also called a **Mouse**, tells the monitor and other computer parts what to do. The **Printer** is a device that transfers text and picture information to paper.

Use the number code above to learn an interesting fact about computers. The first electronic computer, **ENIAC**, weighed more than 27 tons, or 54,000 pounds. It also took up 1,800 square feet!
PAGE 2
A desktop computer is designed for use on a desk due to its size and power needs. Firewall software protects your computer from cyber-attacks. Cyber-attacks can harm your computer if your computer’s Firewall software is not updated. A Denial of Service attack can be prevented when Firewall software is updated. Wireless routers and other wireless devices should have Firewall software.

PAGE 6
1. What kind of information can a computer process? A computer processes numbers, words, and pictures.
2. A computer processes numbers, words, and pictures. Computers come in many forms.
3. Computers come in many forms. Small computers can control other machines.
4. Small computers can control other machines. Did you know computers have a brain?
5. Did you know computers have a brain? Computers use electricity to work.

PAGE 7
1. The first computer was invented in the 1830s. Electronic computers were invented in the 1940s.
2. Electronic computers were invented in the 1940s. They cost millions of dollars.
3. They cost millions of dollars. Most computers today use electric currents.
4. Most computers today use electric currents.

PAGE 8
1. aren’t 5. isn’t
2. shouldn’t 6. shouldn’t
3. don’t 7. aren’t
4. aren’t 8. don’t

PAGE 9
2. A computer follows instructions and programs. A computer helps us study and learn.
3. A computer helps us study and learn. Computers help build roller coaster and skyscrapers.
5. Computers allow us to shop online for clothes and groceries.
6. Computer applications are found on tablets and smart phones.

PAGE 10
1. trojan horse 6. ransomware
2. phishing 7. script
3. cryptolocker 8. cookie
4. ISP connection 5. open source

PAGE 3
1. uses 5. track
2. connect 6. post
3. helps 7. plays
4. protect

PAGE 5
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4. A Denial of Service attack can be prevented
PAGE 11
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PAGE 12
People: girl; engineer
Place: house; office
Thing: doorbell; lightbulb; radio; laptop

PAGE 13
Row 1: D4; D1; C2
Row 2: B1; B2; A3

PAGE 14
Paragraph in order: monitor; keyboard; mouse; speakers; CPU; printer
Number code: ENIAC