Hi! I'm Grace CyBear.

What is your name? _____

1. Orange
2. Blue
3. Light Grey
4. Black
5. Dark Grey

CIAS
CENTER FOR INFRASTRUCTURE
ASSURANCE AND SECURITY
U T S A
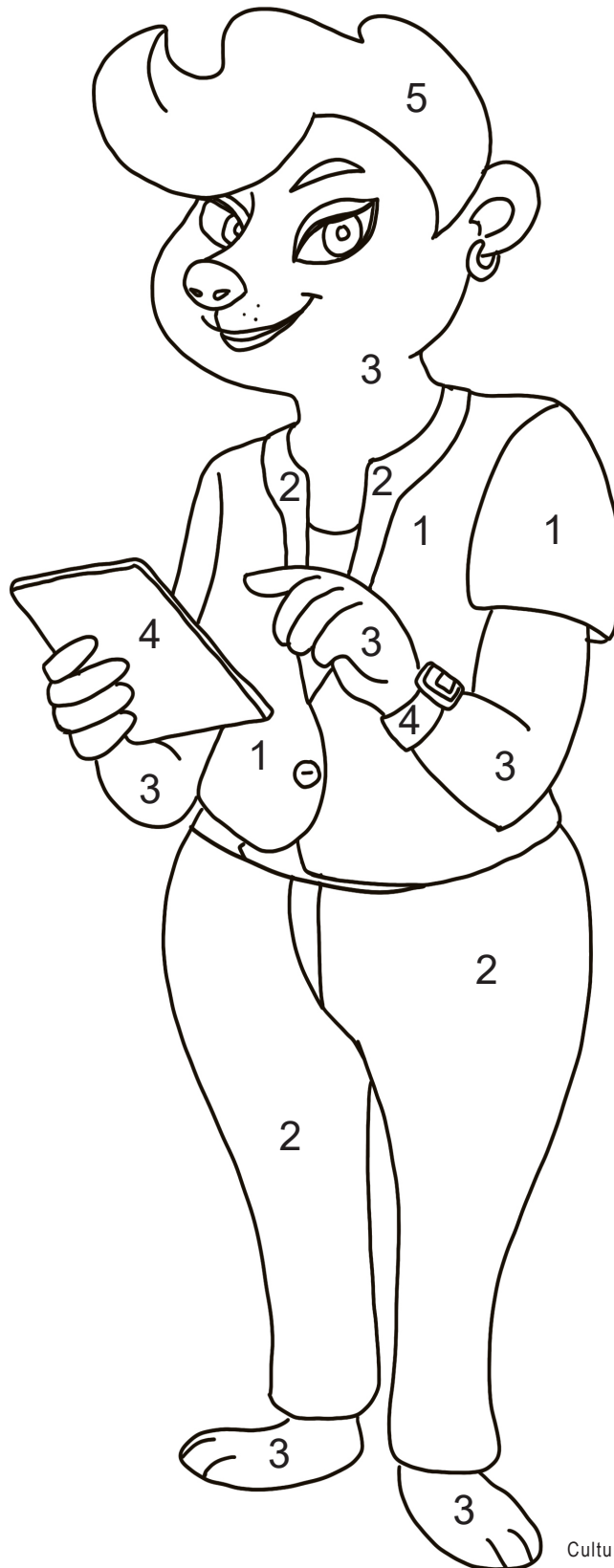
Cybersecurity for All Wordsearch!

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

CIAS
COMPUTER
CONNECTION
CYBEAR
CYBERSECURITY
DATA
DEFENSE
EMAIL
ENCRYPTION
FIREWALL
PASSWORD
PHONE
ROUTER
SERVER
VIRUS
WEBSITE

Can You Help Vint CyBear Navigate the Cyber Maze?

Start Here
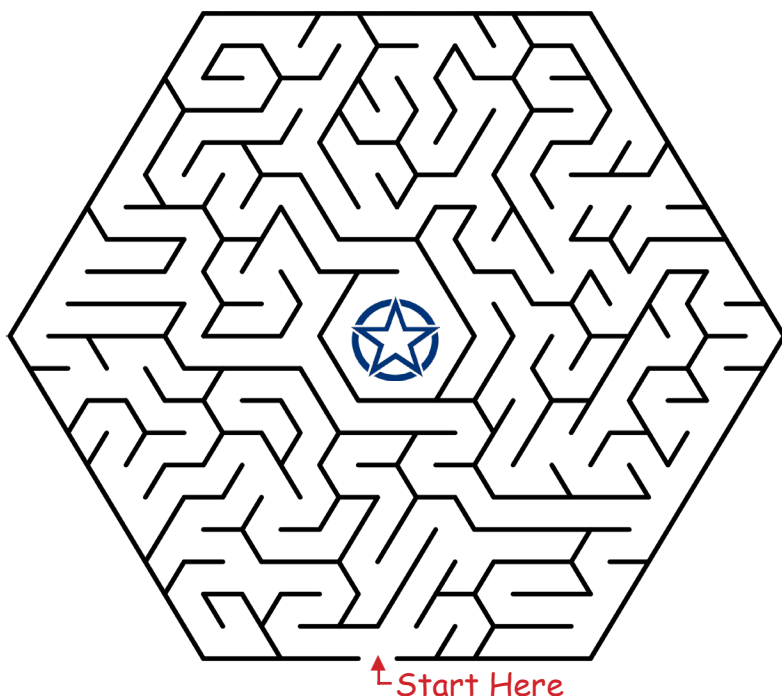
Verbs

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.

2 Laptop computers can _____ to the Internet.

3 A computer mouse _____ users navigate Web pages.

4 Passwords _____ your personal information.

5 Smart phones can _____ your location.

6 Parents _____ family photos on social media.

7 Vint _____ video games with friends.

post

plays

track

helps

connect

protect

uses

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

_____

_____

_____

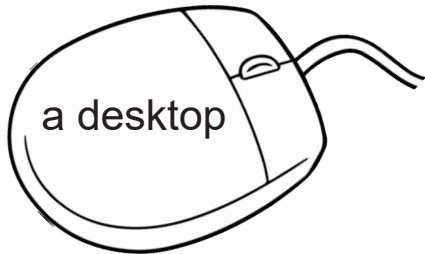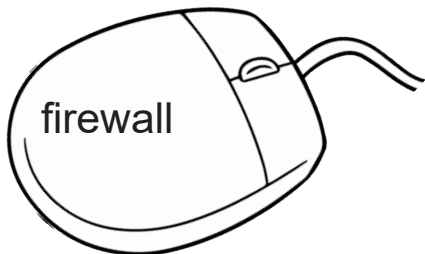Connect the dots from 1 to 143. Then color in Ada CyBear!
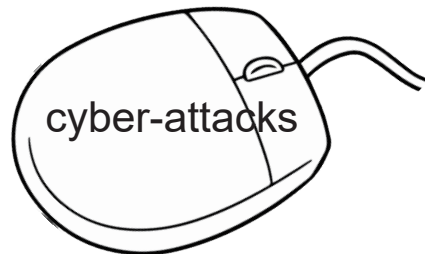
➡ A sentence begins with a **capital letter**.

Write the beginning words correctly to make a sentence.

a desktop

_____ computer is designed

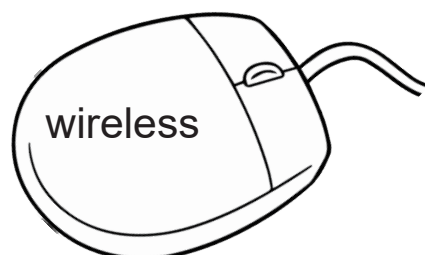for use on a desk due to its size and power needs.

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
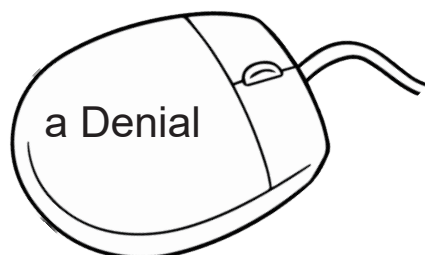
_____ of Service attack can

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.

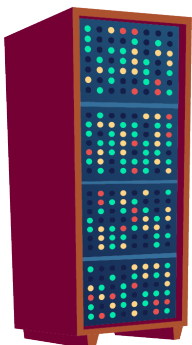1. the computer first was invented in the 1830s

_____

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

_____

Contractions with *not*

➡️ 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.

   _____

4. Computers help build roller coasters.
   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 smart phones.

Hidden messages

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.

1 "software that disguises itself as harmless but causes trouble"

_ _ _ j _ _   _ _ r _ _

5 "code available online for free"

o _ _ _   _ o _ _ _ _

2 "emails pretending to be from someone you know"

_ h _ _ _ _ _ g

6 "computer data will be harmed unless money is paid"

_ a _ _ _ _ w _ _ _

3 "computer files locked away until you pay for them"

_ _ _ _ _ t _ _ _ _ k _ _

7 "simple form of code"

_ c _ _ _ _

4 "creates Internet connection"

_ s _   _ _ n n _ _ _ _ _ _

8 "tracks your activity online"

_ _ _ k _ _

ransomware   trojan horse   cookie

isp connection   cryptolocker   open source

                  script   phishing
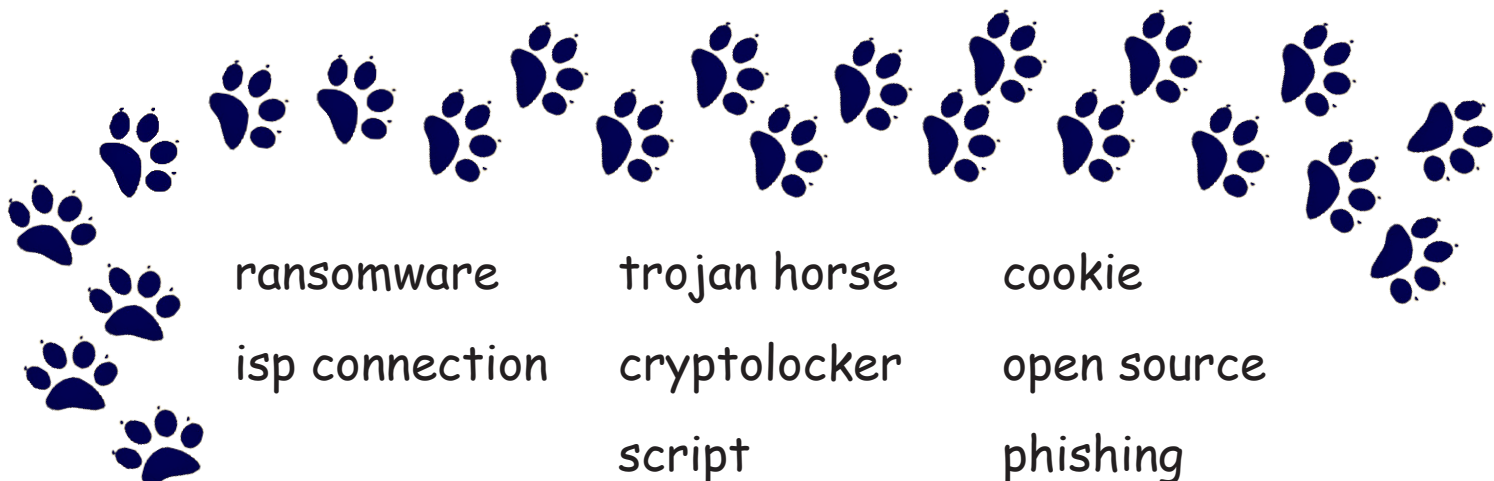
Quotation Marks

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

➡ Common nouns name people, places, or things.

Circle the words below that are nouns.

doorbell

lightbulb

connect

radio

house

full

play

share

laptop

office

engineer

girl

protect

Write each noun you circled under the correct heading.

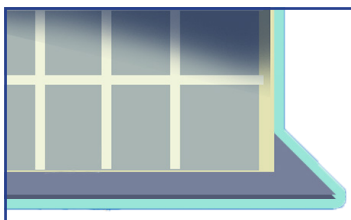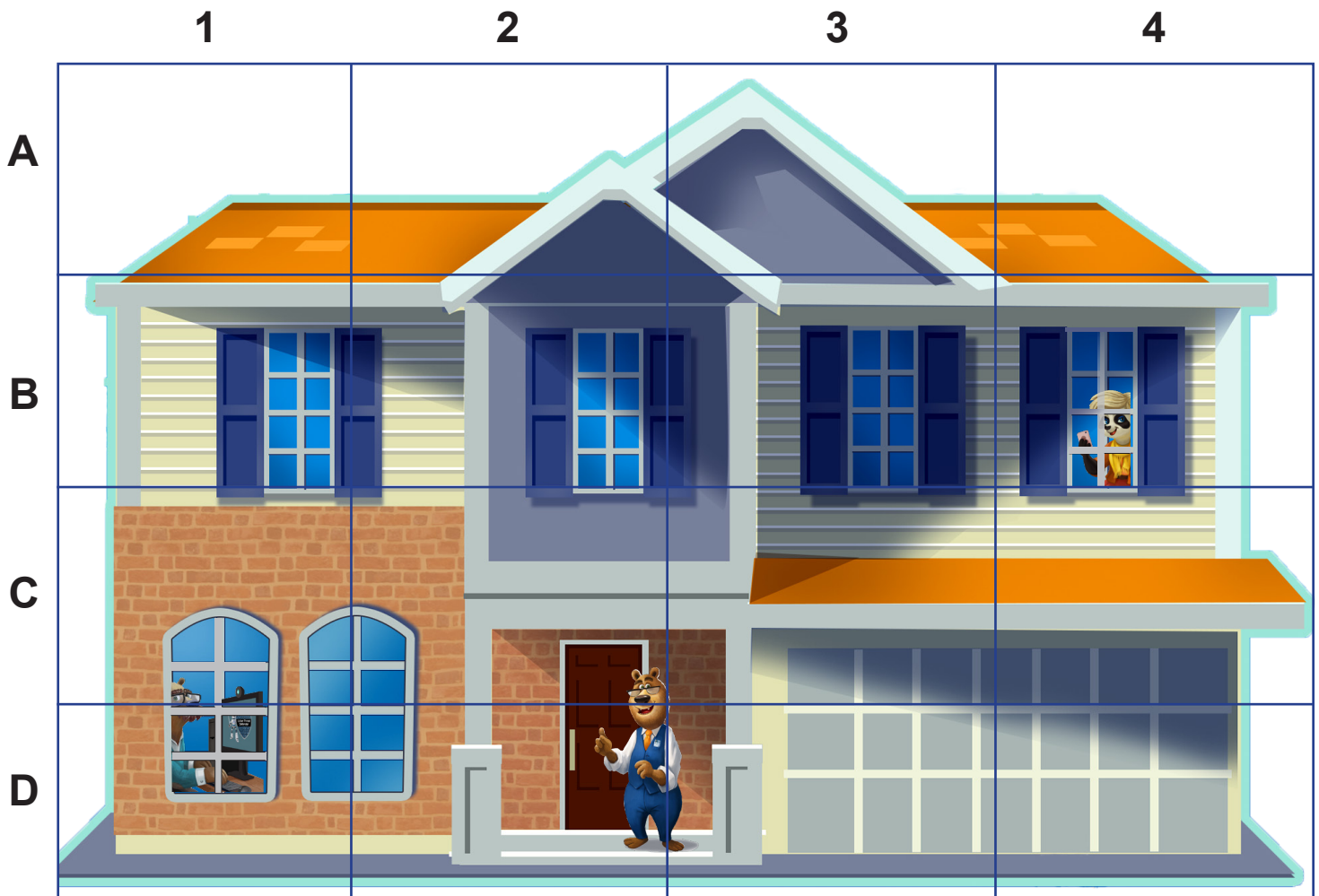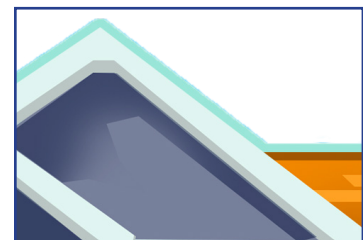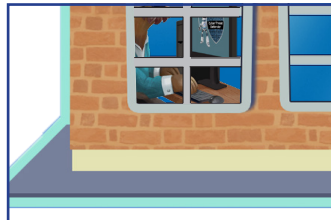| People	Place	Thing
_____	_____	_____
_____	_____	_____
		_____
		_____
		_____

Grid

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.
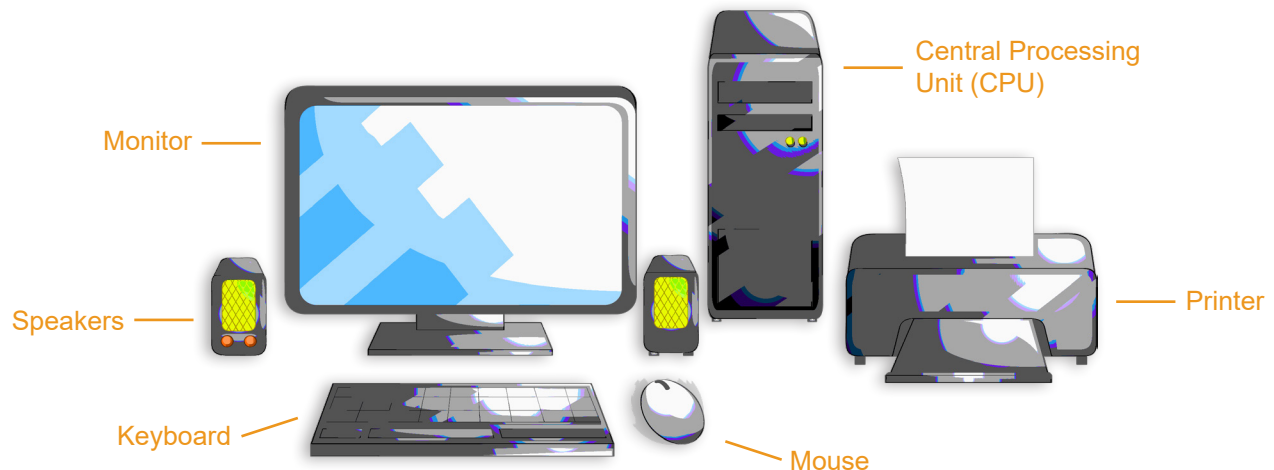

D4

Dissecting Desktop Computer Parts

Use the labels on the diagram to complete the sentences below.

Monitor

Central Processing Unit (CPU)

Speakers

Printer

Keyboard

Mouse

A desktop computer system includes a _ _ _ _ _ _ _ to display
         2

information and a _ _ _ _ _ _ _ _ that helps you put information into
                  4

the computer. A computer _ _ _ _ _ helps you navigate information on the
                          1

monitor. The _ _ _ _ _ _ _ _ produce sounds. The brain of the computer

system, also called a _ _ _ , tells the monitor and other computer parts
                      5

what to do. The _ _ _ _ _ _ _ is a device that transfers text and picture
                3

information to paper.

Use the number code above to learn an interesting fact about computers.

The first electronic computer, _ _ _ _ _ , weighed more than 27 tons, or
                               1 2 3 4 5

54,000 pounds. It also took up 1,800 square feet!

Recess Spider tries to trick people online. Write a ✓ on the things that **ARE** safe and **X** the ones that **ARE NOT** safe.
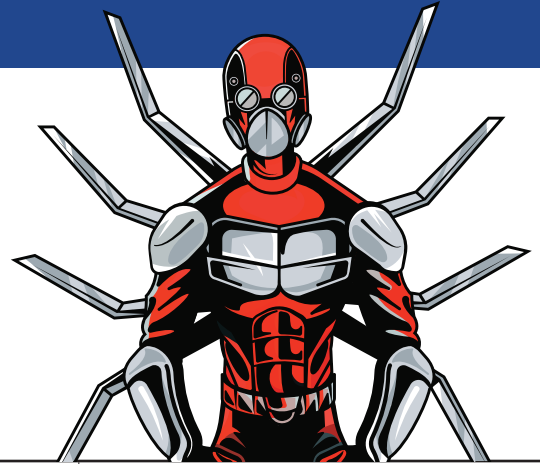
Message	
"Click here to win a FREE iPad!"	
"Ask a grown-up before clicking links."	
"Give me your password and I'll give you Robux!"	
"Only open emails from people you know."	

Word Search: Stop the Spider!

Find these words hidden in the box:

Word Placement
➡ Left to Right   ⬇Top to Bottom   ⬆Bottom to Top

RECESS
SPIDER
NOT
REAL
PRETEND
WEBSITES
TRICK
PEOPLE
STEAL
MONEY

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

Falcon Fun Facts!

The CrowdStrike Falcon platform is like a super-smart guardian that helps protect computers all around the world! Just like real falcons, it watches carefully to keep everyone safe.

Did you know? Falcon birds can see eight times better than humans. This helps them spot danger from far away. Falcons also use clever tricks to catch their food, just like we use smart tricks to stay safe online. Falcons also build their nest high up on cliffs or tall buildings to stay safe—just like we use strong passwords to protect our digital homes.

**Are the following questions true or false? Circle the correct answer.**

1 Falcons can see nine times better than humans.

True / False

2 Strong passwords can protect your digital devices.

True / False

3 Antivirus software can protect your computer from digital viruses.

True / False

4 Falcons use loud noises to catch their food.

True / False

5 Just like a falcon can give a warning call to tell others about danger he sees, I will tell a grown-up if something looks wrong when online.

(Circle the computer on the right with your answer.)

True   False

CyBear Activity Sheets - Answers

PAGE 2

Start Here
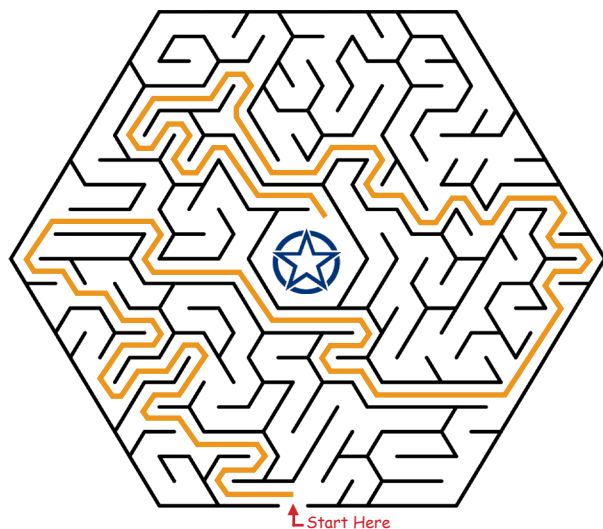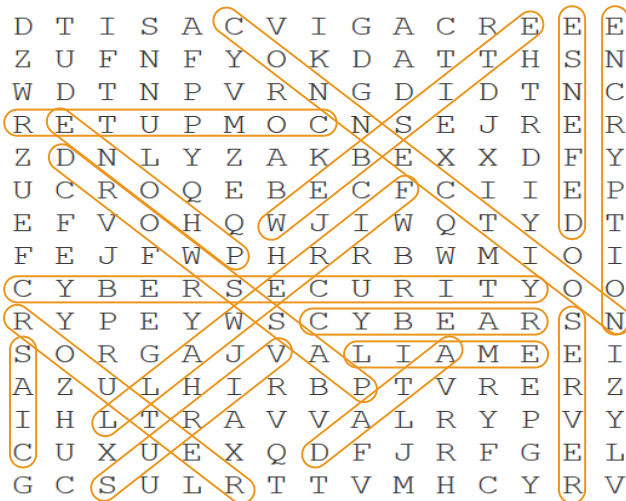
PAGE 3

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

PAGE 5

1. A desktop computer is designed for use on a desk due to its size and power needs.
2. Firewall software protects your computer from cyber-attacks.
3. Cyber-attacks can harm your computer if your computer's Firewall software is not updated.
4. A Denial of Service attack can be prevented when Firewall software is updated.
5. Wireless routers and other wireless devices should have Firewall software.

PAGE 6

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.

PAGE 7

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

PAGE 8

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

PAGE 9

2. A computer follows instructions and programs.
3. A computer helps us study and learn.
4. Computers help build roller coaster and skyscapers.
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
2. phishing
3. cryptolocker
4. ISP connection
5. open source
6. ransomware
7. script
8. cookie

CyBear Activity Sheets - Answers

PAGE 11
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."

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

PAGE 15
X "Click here to win a FREE iPad!"
✓ "Ask a grown-up before clicking links."
X "Give me your password and I'll give you Robux!"
✓ "Only open emails from people you know."

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

PAGE 16
1. Falcons can see nine times better than humans. True / False
2. Strong passwords can protect your digital devices. True / False
3. Antivirus software can protect your computer from digital viruses. True / False
4. Falcons use loud noises to catch their food. True / False
5. Just like a falcon can give a warning call to tell others about danger he sees, I will tell a grown-up if something looks wrong when online.

True   False