

4th – 5th grade • English Level 2

Learning Packet #3

Theme: Deserts



International Consortium for Multilingual Excellence in Education



August 15th, 2020

Dear District/School Personnel:

We are a consortium of researchers, teacher educators, and teachers who believe in and strive to foster multilingual excellence. Therefore, during this time of crisis and difficulty, we are eager to put our expertise and passions to use to try to be of assistance. We initially designed 21 immediate-response packets for K-5, as soon as the pandemic forced schools to shut down. We then applied for and received a grant that has allowed us to create more than 100 full activity packets, ranging from Levels 1-3 of English proficiency, and grades K-12.

The breakdown of packets is as follows:

Level 1 – Entry into English

Emphasis on developmentally appropriate interesting/challenging tasks

- K-2
- 3-5
- 6-8 with a literacy background
- 9-12 with a literacy background
- 6-8 without literacy background
- 9-12 without literacy background

Level 2 – Building Background

- K-1
- 2-3
- 4-5
- 6-8
- 9-10
- 11-12

Level 3 – Interdisciplinary Inquiry

- K-1
- 2-3
- 4-5
- 6
- 7-8
- 9-10
- 11-12

With this letter, is an “Activity Packet” that can be used freely with any group of students or families as you see fit. Each packet includes interdisciplinary activities designed to be completed within a week. Teachers from around the country have designed, developed, and created these packets, each focusing on the topics of their choice. Because learning academic content can happen within any thematic context, these packets are designed to be diverse, dynamic, and engaging for students of all backgrounds. The topics covered in these units range from cultures, animals, natural disasters, inventions, and much more. You will see each teacher’s personality reflected strongly in these packets, and our hope is that this will capture students in a way similar to that of a rich and immersive classroom environment.

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Our hope is that these materials can provide some meaningful learning supports to students and families who may not have access to online learning opportunities. However, we can also imagine a variety of ways that these packets can provide learning opportunities outside of our original intent and purpose. Please use these activity packets in any way you see fit for your students and families. We will be so pleased to learn of how they might be useful, particularly for your multilingual students and their families. We think it might be particularly helpful for you to print packets and mail them to families, but we also see opportunities to work with local agencies, leave printed-out packets for pick-ups at schools, etc.

We designed these activities based around several big ideas:

- Productive play and inquiry
- Grade level and English Language Development standards/curriculum
- Fostering multilingual language development
- Providing opportunity for all four language domains (reading, writing, speaking and listening)

These packets are self-contained. Everything a child will need to be successful with the activities is provided in the packet. Students will only need a writing utensil. Additional tools like crayons or scissors are optional.

We have also included a letter to parents. We hope this will help parents understand what students will be doing with the packet and that we encourage the use of all language resources available to the student. The packets are in English for the students, but the students can write, talk and engage with family members regarding the packet activities in any language they would like. We have translated the parent letter into Spanish, and we encourage districts to translate the letter into any other language that would be helpful for your local families.

Designing Activity Packets is a new initiative for us, though we have been designing professional learning opportunities (eWorkshops) for teachers of multilingual learners since 2011. Like our Activity Packets, those learning opportunities for teachers are free. To learn more about them and us, please visit our website at: <https://cehs.unl.edu/icmee/>

We are eager to be a helpful, collaborative partner in all learning needs related to multilingual students and their teachers, so please, do not hesitate to reach out to us with questions, ideas, concerns, feedback, etc. We are available at icmee@unl.edu.

Sincerely,

Kara Mitchell Viesca, PhD

Associate Professor of Language Education

University of Nebraska Lincoln

Teaching, Learning and Teacher Education

PI: International Consortium for Multilingual Excellence in Education

This packet was designed and created by **Claudia Yunes** in collaboration with Tricia Gray and Alexa Yunes.

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The Standards that Informed the Development of this Packet are:

Math

CCSS.MATH.CONTENT.4.NBT.A.1

Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right. For example, recognize that $700 \div 70 = 10$ by applying concepts of place value and division.

CCSS.MATH.CONTENT.4.NBT.A.2

Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form.

Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.

English Language Arts

LA 4.1 **Reading:** Students will learn and apply reading skills and strategies to comprehend text

LA 4.1.3.a **Word Analysis:** Use advanced sound/spelling patterns (e.g., vowel variance, multi-syllable words) to read, write, and spell

LA 4.1.4.b **Fluency:** Read words and phrases accurately and automatically

LA 4.1.5 **Vocabulary:** Students will build literary, general academic, and content specific grade level vocabulary.

LA 4.1.5.b Relate new grade level vocabulary to prior knowledge and use in new situations

LA 4.1.6.e **Comprehension:** Retell and summarize the main idea from informational text using supporting details

LA 4.1.6.f Recognize and apply knowledge of organizational patterns found in informational text (e.g., sequence, description, cause and effect, compare/contrast, fact/opinion)

LA 4.1.6.1 Build and activate prior knowledge in order to identify text to self, text to text, and text to world connections before, during, and after reading

LA 4.1.6.p Respond to text verbally, in writing, or artistically

LA 4.2 **Writing:** Students will learn and apply writing skills and strategies to communicate.

LA 4.1.6.p Respond to text verbally, in writing, or artistically

LA 4.2.1.f Publish a legible document

Science Standards and Cross-Cutting Ideas

4-ESS2-2. Analyze and interpret data from maps to describe patterns of Earth's features.

5-LS1-1. Support an argument that plants get the materials they need for growth chiefly from air and water.

SC5.3.3 Students will describe relationships within an ecosystem.

SC5.3.1.b Identify how parts of plants and animals function to meet basic needs

Social Studies

NSS-EC.K-4.6 SPECIALIZATION AND TRADE

When individuals, regions, and nations specialize in what they can produce at the lowest cost and then trade with others, importing and exporting, both production and consumption increase.

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August 15th, 2020

Dear Families:

During the COVID-19 pandemic, the academic classroom expanded into the home in new ways. Many students have limited access to technology, others struggle with online learning, and some simply want more to do while they are at home. With these things in mind, we have created an extensive resource of learning materials that we hope will be helpful for your children to engage with. These Activity Packets were designed with your students in mind and are aligned with each of their grade level content. Each activity in the packets will help students continue with their schooling as well as continue to grow their multilingualism. We encourage you to talk to your student about what they are doing and let your child ask you about the topics they are learning about. The packet is in English, but we encourage you and your children to speak and think together in any language you would like to. We strongly encourage you to use the language you feel most comfortable using with your student. Supporting their learning in all the languages they know is helpful—even for developing their English! So, please encourage your child to do the work in the packet in any language they would like.

We know that families are dealing with a lot of stress and uncertainty right now, so we encourage you to play the role you would like to play with your student and their Activity Packet based on what works best for you. We recommend reading the information about the packet and activities and then discussing with your student how the packet works and how they can work through it. We believe that with that introduction, your student can do a lot, if not all, of the work themselves. However, if you are available to work more closely with your child (or for a sibling or other family member to do so), we encourage that as well. Please know, this is not intended to be something that adds stress and work to your family during this demanding time. We hope that this is a helpful resource so your student can continue growing academically while in unusual situations.

We also hope you will find these packets interesting and fun. We have integrated activities from all of the grade level content standards: English Language Arts, Mathematics, Social Studies, Science, Physical Education and Art. We have also developed different packets for the different levels of English proficiency, so your child should feel challenged but also capable of largely understanding the content in front of them.

Kinder-5th grade students will create a Buddy for their packets. This is the first activity in the packets and is intended to give children have someone to talk to about the work they are doing in the packet. We have included images of “buddies” to choose from. Choose a buddy, personalize it, and even name the buddy. Throughout the packet activities, students will be told to talk to their buddy or even to ask their buddy questions. With this buddy, students can work independently without needing your time and attention to be successful with the packet. However, we also encourage your student to talk with you or other family members as they are available. Further, your student could pick a stuffed animal or doll or something else as their buddy. They don’t have to use one of the buddies we offer, but they should plan for who their buddy will be each time they work on the packet. This might be something they will need your help understanding.

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In this packet, we have included the following activities:

- **Dictionary:** Each day we hope that your student will engage with words they find interesting and want to keep track of. At the end of the packet are pages for your student to keep their own dictionary. We encourage students to use these pages to keep track of words they like or find interesting. We also encourage students to use any language they would like as well as pictures to help them remember what the words mean.
- **Journal:** Each day students have a short prompt that they can respond to. Students should be encouraged to write in any language (or combination of languages) that they feel most inclined to. They can also use pictures as appropriate. We hope these journal prompts will also be points of conversation for your student with their buddy.
- **Reading Fluency:** Students should be encouraged to read the sight words every day. A Coloring Sight Words game is included so they can have fun while they practice.
- **Science:** In this packet, students will be learning basic interesting facts and vocabulary about deserts.
- **Vocabulary:** desert nocturnal fauna flora fewer hear smell see touch taste conversion table import export
- **Reading:** Students will read a passage about deserts and will have opportunities to understand and apply their vocabulary words playing a Memory game. They will analyze the reading passage and notes about it using a graphic organizer.
- **Writing:** Students will create a sensory poem about deserts and will write a composition: Lost in a Desert.
- **Math:** Students will review unit conversions using a table. They will also make some conversions about the Saguaro cactus.
- **Social Studies:** Students will learn about importing and exporting. They will identify oil and minerals exported from deserts in the world. They will also have the opportunity to share their experiences and knowledge about imports and exports from the country they come from.
- Students will create a desert diorama and will apply everything they have learned about habitats and deserts.

We hope that these activities will enhance your child's learning while we work through these very unusual circumstances. We also hope that they will give your child opportunities for productive play. If you have any questions or concerns about these packets, feel free to reach out to our project at icmee@unl.edu or by calling the Teaching, Learning and Teacher Education department at 402-472-2231.

Sincerely,

Kara Mitchell Viesca, PhD

Associate Professor of Language Education

University of Nebraska Lincoln

Teaching, Learning and Teacher Education

PI: International Consortium for Multilingual Excellence in Education

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Math answer keys:

1.

feet	=	inches
1		12
2	=	24
10	=	120
40	=	480
60	=	720

Saguaro height between **480 to 720 inches**

2.

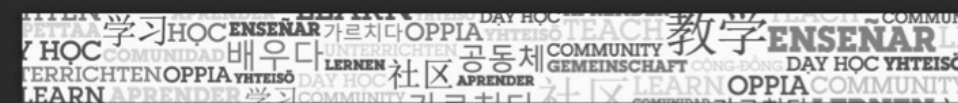
year	=	weeks
1	=	52
2	=	104
100	=	5,200
150	=	7,800
175	=	9,100

Saguaros can live **9,100 weeks**

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15 de agosto del 2020

Estimados padres de familia o guardianes:

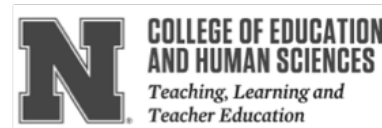
Durante la pandemia del COVID-19, ha sido necesario que los estudiantes aprendan en casa. Muchos de los estudiantes tienen acceso limitado a la tecnología, otros tienen dificultad para aprender en línea y algunos simplemente quieren tener algo más que hacer mientras están en casa. Pensando en estas razones, hemos creado un recurso con una gran extensión de materiales de aprendizaje que esperamos serán útiles para que sus hijos participen activamente. Estos paquetes de aprendizaje fueron diseñados teniendo en mente a sus niños y están alineados a los contenidos de cada nivel de grado. Cada actividad en estos paquetes los ayudará a continuar con su escolarización, así como a seguir aumentando su multilingüismo. Lo alentamos a que hable con su estudiante sobre lo que está haciendo y deje que le pregunte sobre los temas que le interesan. El paquete está en inglés, pero le recomendamos a usted y a su estudiante que hablen y piensen juntos en el idioma que deseen. Le recomendamos encarecidamente que use el idioma con el que se sienta más cómodo al comunicarse con su estudiante, ya que respaldar su aprendizaje en todos los idiomas que sabe es útil, ¡incluso para su inglés! Por lo tanto, anime a su estudiante a hacer el trabajo en el paquete en cualquier idioma que desee.

Sabemos que las familias están lidiando con mucho estrés e incertidumbre en este momento, por lo que lo alentamos a que desempeñe el papel que le gustaría desempeñar con su estudiante y su paquete de actividades según lo que funcione mejor para usted. Le recomendamos leer la información sobre el paquete y las actividades que contiene y luego discutir con su estudiante cómo funciona el paquete y cómo pueden trabajar en él. Creemos que, con esa introducción, su estudiante puede hacer mucho, si no todo, el trabajo por sí mismo. Sin embargo, si usted está disponible para trabajar más estrechamente con su estudiante (o un hermano u otro miembro de la familia), también lo recomendamos. Por favor, tenga en cuenta que esto no pretende ser algo que agregue estrés y trabajo a su familia durante este momento tan desgastante. Por el contrario, esperamos que este sea un recurso útil para que su estudiante pueda continuar desarrollándose académicamente durante esta situación tan inusual.

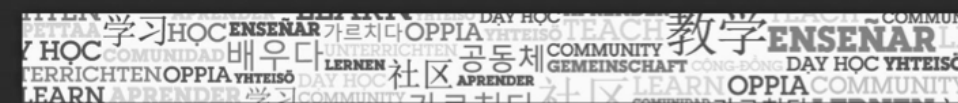
También esperamos que ustedes encontrarán estos paquetes interesantes y divertidos. Hemos integrado actividades de todos los estándares de contenido de nivel de grado: Artes del Lenguaje en inglés, Matemáticas, Estudios Sociales, Ciencias, Educación Física y Arte. También hemos desarrollado diferentes paquetes para los diferentes niveles de dominio del inglés, de esta manera su hijo podrá sentir el desafío y también será capaz de comprender en gran medida el contenido que se les presenta.

Los estudiantes de Kínder a 5to grado crearán un Amigo para su paquete. Esta es la primera actividad en el paquete y está destinada a ayudar a su estudiante a tener a alguien con quien hablar sobre el trabajo que está haciendo en el paquete. Hemos incluido imágenes de posibles "amigos" para que su estudiante puede elegir. Sugerimos que elijan un amigo, lo personalicen e inclusive le pongan un nombre. A lo largo de las actividades del paquete, se le pedirá a su estudiante que hable con su amigo o incluso que le haga preguntas. Con este compañero, su estudiante podrá trabajar de forma independiente sin necesidad de su tiempo y atención para tener éxito al trabajar en el paquete.

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Sin embargo, también alentamos a su estudiante a hablar con usted u otros miembros de la familia cuando estén disponibles. Además, su estudiante puede elegir un animal de peluche o muñeca o alguien más como su amigo. No tienen que usar uno de los amigos que ofrecemos, pero deben planificar quién será su amigo cada vez que trabajen en el paquete (uno de nuestros amigos, alguien en su familia / hogar, una muñeca que ya tienen, etc.). Esto podría ser algo en lo que necesitarán su ayuda para poder comprender.

En este paquete hemos incluido las siguientes actividades:

- **Diccionario:** esperamos que cada día su estudiante capte palabras que encontrará interesantes y querrá tener un seguimiento y registro de estas. Al final de los paquetes encontrarán páginas en las que su estudiante podrá mantener su propio diccionario. Recomendamos ampliamente que los estudiantes usen estas páginas para registrar palabras que les gusten o les parezcan interesantes. También alentamos a los estudiantes a usar cualquier lenguaje que deseen, así como imágenes para recordar el significado de las palabras.
- **Diario:** cada día, los estudiantes tienen un tema corto de escritura al que pueden responder. Los estudiantes deben ser alentados a escribir en cualquier idioma (o combinación de idiomas) que les parezca más conveniente. También pueden utilizar imágenes si lo consideran necesario. Esperamos que estos temas cortos de escritura puedan utilizarse de puntos de conversación entre su estudiante y su amigo.
- **Extensiones del paquete:** algunas actividades tienen extensiones que hemos incluido para que, si el estudiante encuentra fácil una actividad, pueda completar la extensión en lugar de la actividad o adicionalmente.
- **Fluidez de lectura:** se debe alentar a los estudiantes a leer las palabras de uso frecuente todos los días. Se incluye un juego de Colorear palabras frecuentes para que puedan divertirse mientras practican.
- **Ciencia:** en este paquete, los estudiantes aprenderán datos básicos interesantes y vocabulario sobre los desiertos.
- **Vocabulario:** desierto fauna nocturna flora menos oler ver tocar sabor
tabla de conversión importación exportación
- **Lectura:** los estudiantes leerán un pasaje sobre los desiertos y tendrán la oportunidad de comprender y aplicar sus palabras de vocabulario jugando un juego de memoria. Analizarán el pasaje de lectura y escribirán notas del pasaje utilizando un organizador gráfico.
- **Escritura:** los estudiantes crearán un poema sensorial sobre los desiertos y escribirán una composición: Perdido en el desierto.
- **Matemáticas:** los estudiantes revisarán las conversiones de unidades usando una tabla. También harán algunas conversiones sobre el cactus Saguaro.
- **Estudios sociales:** los estudiantes aprenderán sobre importación y exportación. Identificarán el petróleo y los minerales exportados desde los desiertos del mundo. También tendrán la oportunidad de compartir sus experiencias y conocimientos sobre las importaciones y exportaciones del país de donde provienen.
- Los estudiantes crearán un diorama del desierto y aplicarán todo lo que han aprendido sobre hábitats y desiertos.

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Esperamos que estas actividades mejoren el aprendizaje de su hijo mientras trabajamos juntos para atravesar estas circunstancias tan inusuales. También esperamos que le darán a su hijo oportunidades de juego productivo. Si tiene alguna pregunta o inquietud acerca de estos paquetes, siéntase en libertad de comunicarse con nuestro proyecto a icmee@unl.edu o llamando al departamento de Enseñanza, Aprendizaje y Educación para maestras (Teaching, Learning, and Teacher Education) al 402-472-2231.

Sinceramente,

Kara Mitchell Viesca, PhD
Associate Professor of Language Education
University of Nebraska Lincoln
Teaching, Learning and Teacher Education
PI: International Consortium for Multilingual Excellence in Education

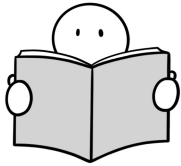
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Instructions Key



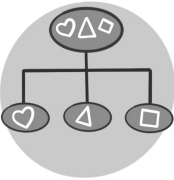
- Share with someone else
- Comparte con alguien más
- مشاركتها مع شخص آخر
- La wadaag qof
- Chia sẻ với ai đó



- Read
- Lee
- اقرأ
- Akhriso
- Đọc



- Write
- Escribe
- اكتب
- Qor
- Viết



- Sort
- Ordena
- رتب
- Kala sooc
- lựa chọn



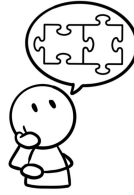
- Move your body
- Mueve tu cuerpo
- حرك جسمك
- Dhaqdhaqaaqa jirkaaga
- Di chuyển cơ thể của bạn



- Cut
- Corta
- قص الورقة
- Waraaqda jar
- Cắt giấy



- Read out loud
- Lee en voz alta
- قراءة بصوت عال
- Kor u aqri
- Đọc to



- Make a connection
- Hacer una conexión
- إجراء اتصال
- Xiriir samee
- Tạo kết nối

123

- Count
- Cuenta
- العدد
- Tiri
- đếm



- Draw
- Dibuja
- رسم
- Sawir
- Vẽ tranh



- Find
- Encuentra
- وجد
- Soo hel
- Tìm thấy



- Color
- Colorea
- لون
- Midab gudaha
- làm cho hoa mỹ

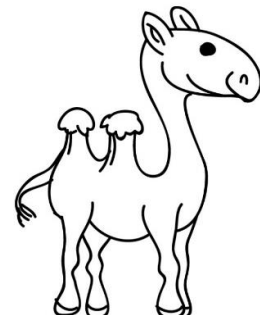
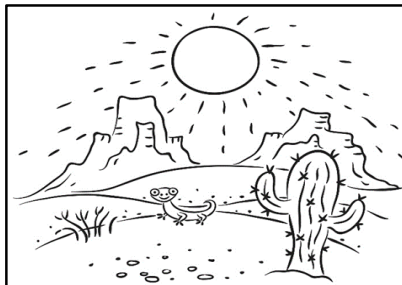
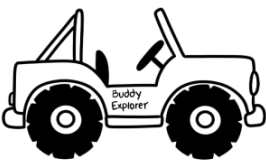


- Share with your Buddy
- Comparte con tu Buddy
- شارك مع صديقك
- La wadaag asxaabtaada
- Chia sẻ với bạn bè của bạn

Packet # 3 Outline

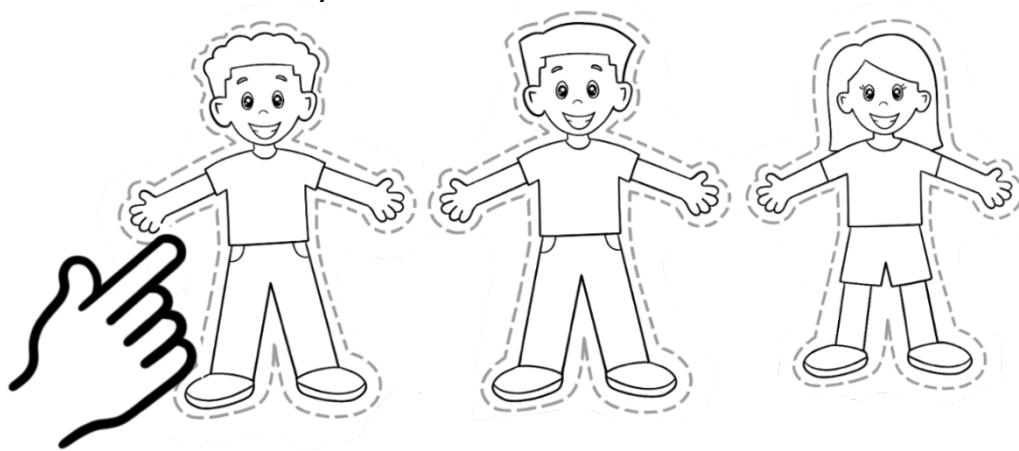
Deserts

	Activity	Content Area
1	Reading Daily Practice	Reading
2	Desert Vocabulary	Reading & Science
3	Desert Vocabulary Cards	Reading & Science
4	Desert Passage	Reading & Science
5	How to Play Memory	Reading
6	Desert Memory Game	Reading
7	Drawing my Sentences	Reading & Writing
8	Desert Notes	Reading & Writing
9	Writing a Poem: Sensory Poem	Writing
10	Creative Writing Lost in a Desert	Writing
11	Math Unit Conversions	Math
12	Desert Facts Conversions	Math
13	Importing and Exporting	Reading & Social Studies
15	What Does Your Country Export and Import?	Writing & Social Studies
	Desert Diorama	Art

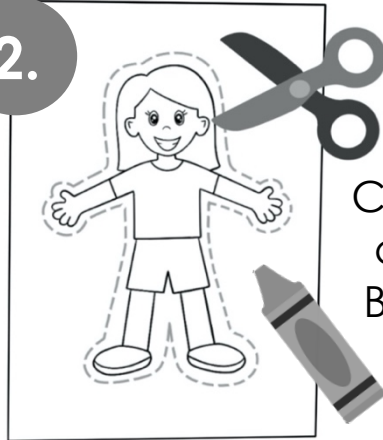


My Buddy

1. Choose a Buddy

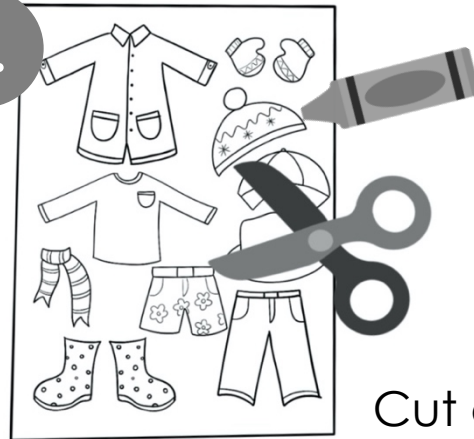


2.



Cut out and color your Buddy and give it a name!

3.

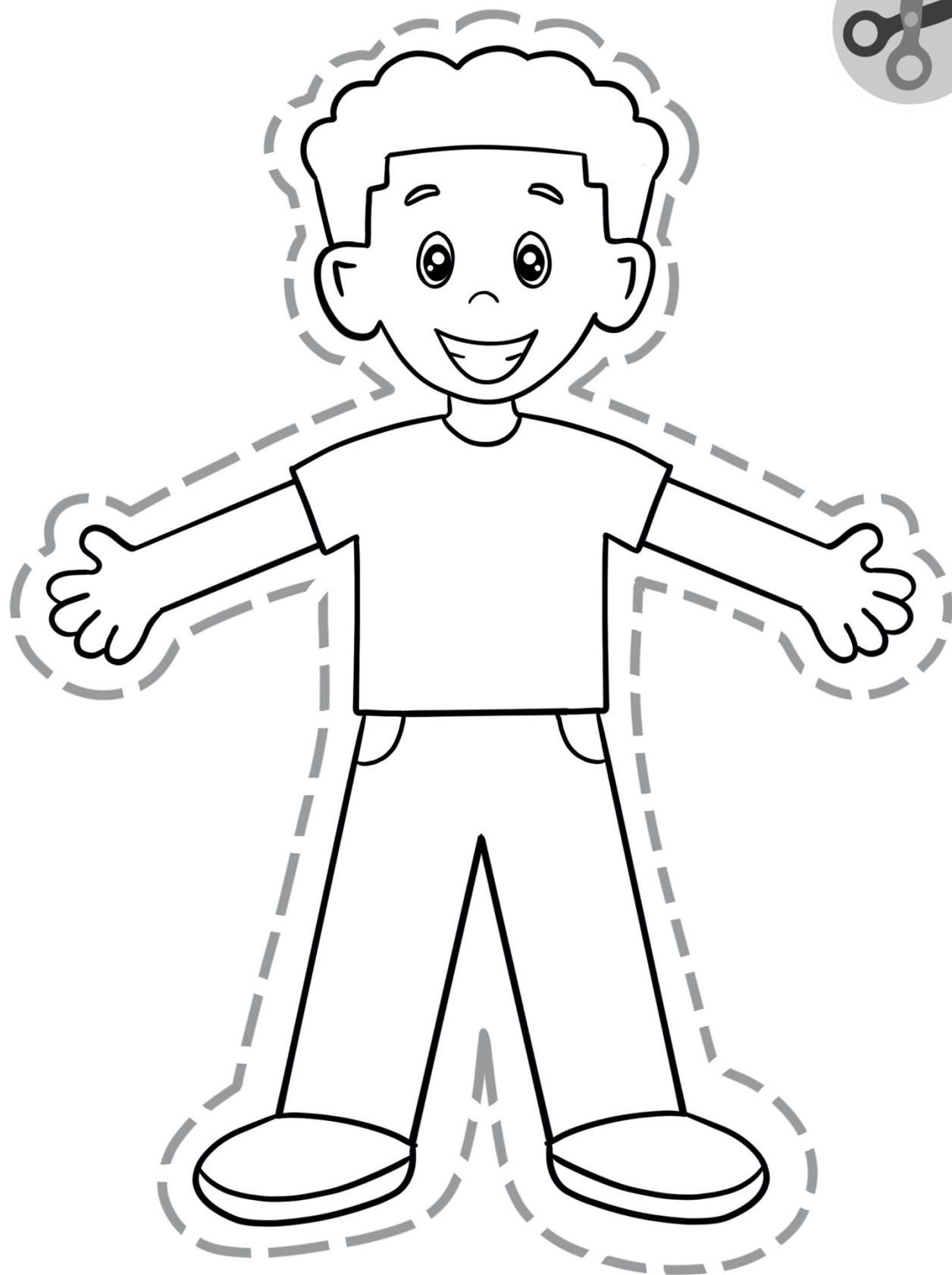


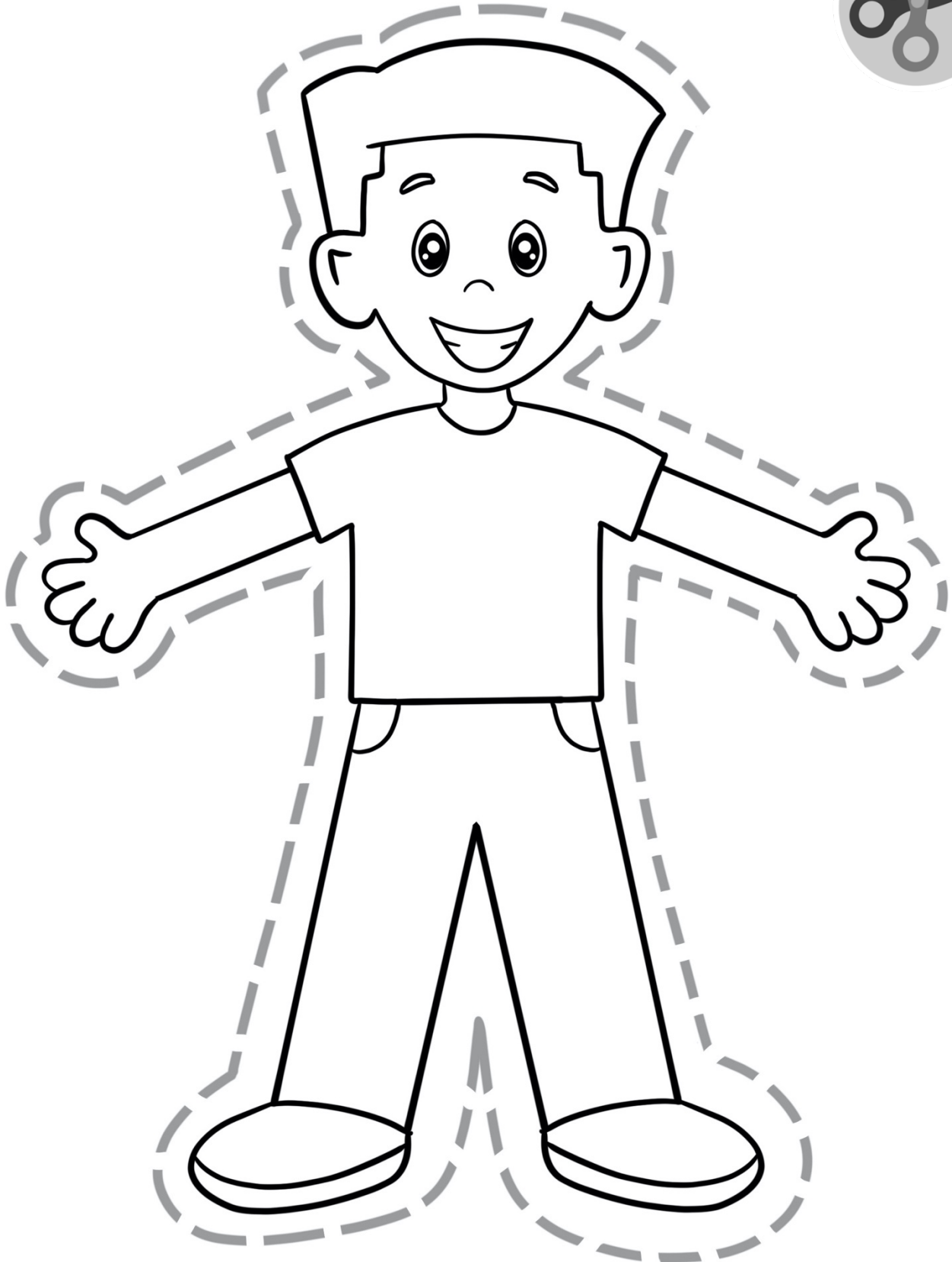
Cut out and color the accessories

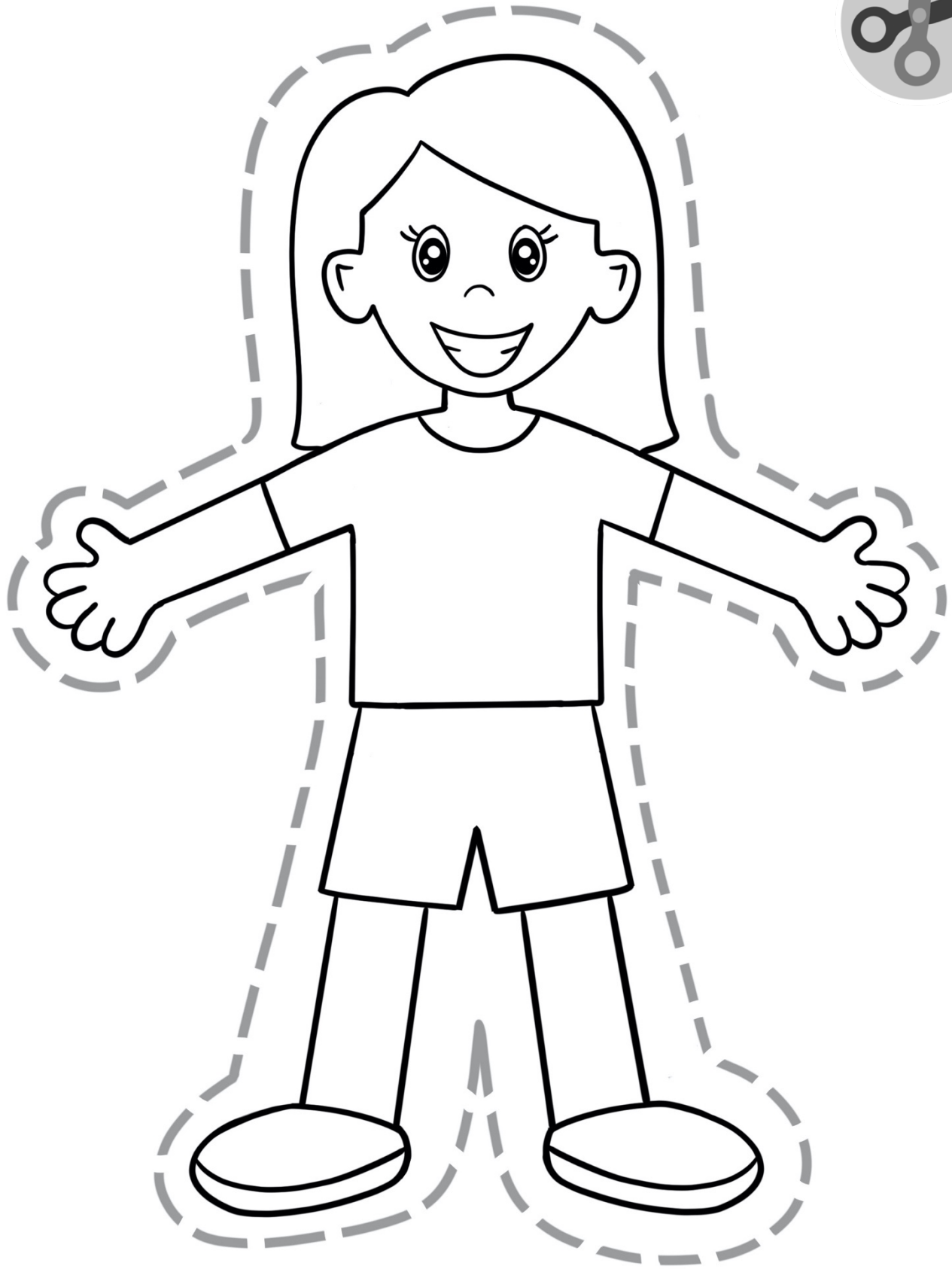
4.

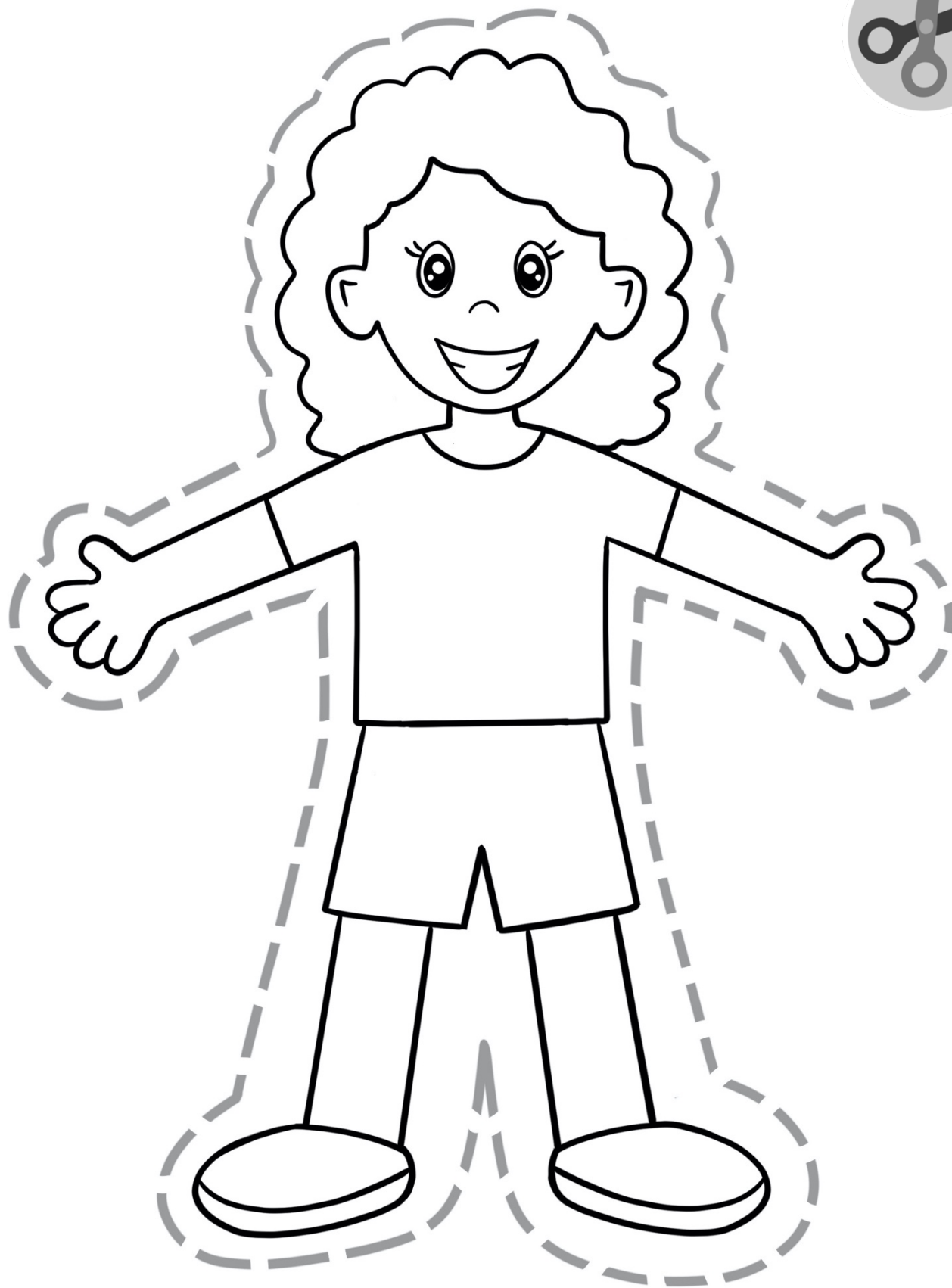


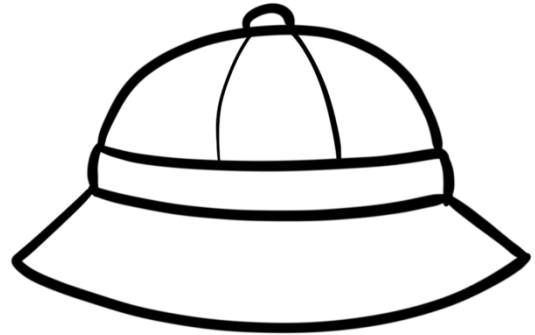
Have fun with your Buddy!
Dress them up, play with them, and even talk with them!

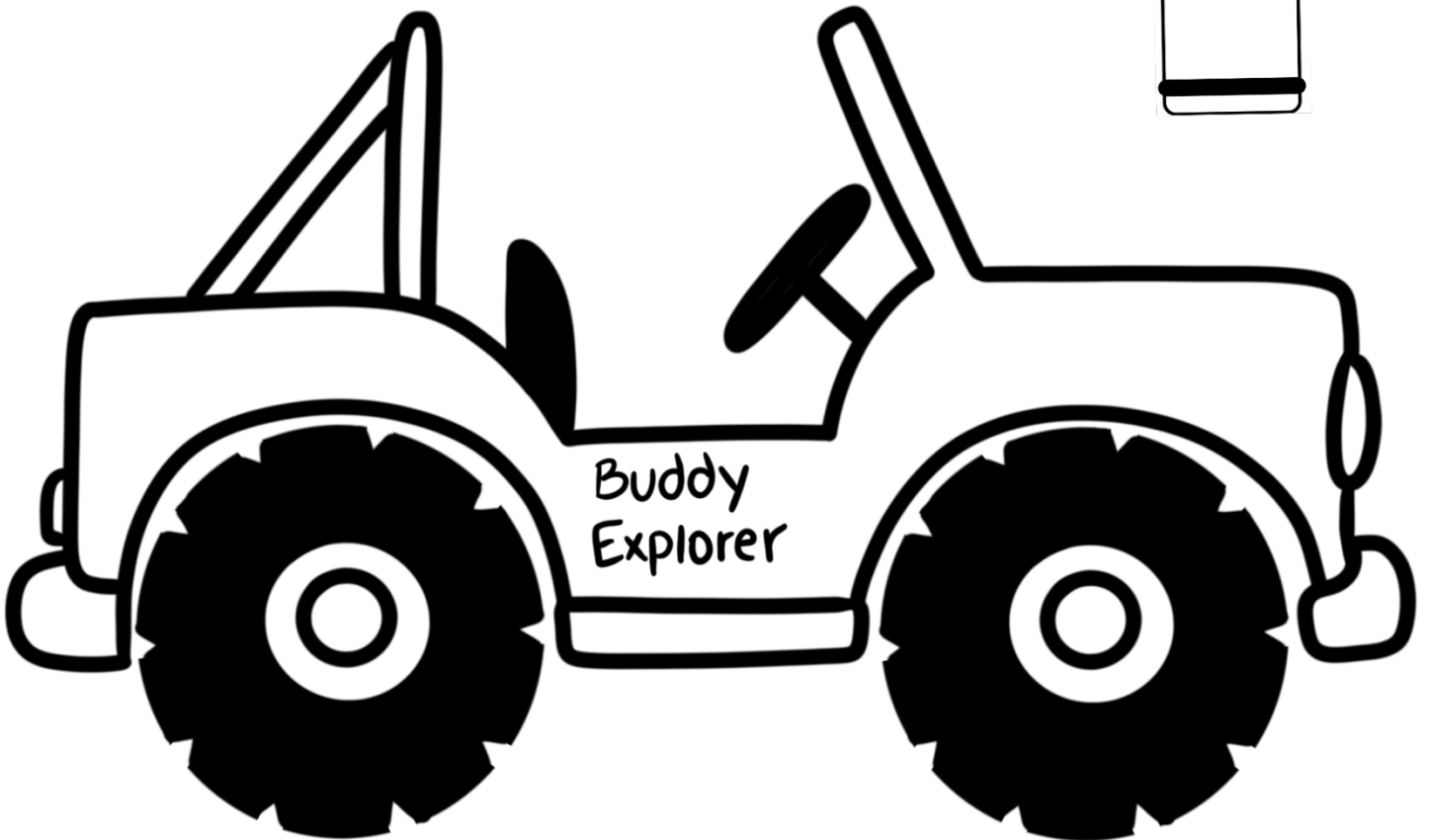
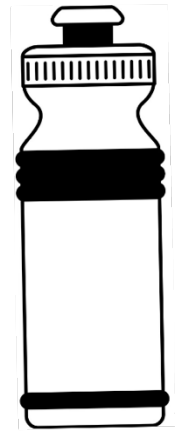
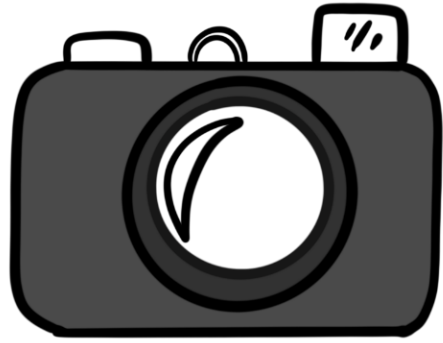














Reading Daily Practice



Read the sight words, find the matching words and color them with a different color.

could	would	some	could
because	around	should	because
their	these	write	their
gave	should	every	gave
where	made	would	where
would	right	made	there
white	every	these	made
some	night	white	night
should	what	could	these
right	write	because	every
night	think	their	white
these	always	gave	always
think	some	where	would
made	there	what	right
around	white	right	what
write	could	around	think
every	because	always	around
there	their	night	write
always	gave	there	some
what	where	thing	should

Desert Vocabulary



Read each word and definition

<p>desert</p>	<p>dry land with few plants and little rainfall</p>	
<p>nocturnal</p>	<p>active in the night</p>	
<p>fauna</p>	<p>all the animals that live in a region</p>	
<p>flora</p>	<p>all the plants that live in a region</p>	
<p>fewer</p>	<p>a smaller number; less than</p>	<p>more fewer</p>

Desert Vocabulary Cards

1. Write the definition



2. Draw a picture



3. Cut your cards



4. Read to your Buddy



desert _____ _____ _____	
--	--



nocturnal _____ _____ _____	
---	--



fauna _____ _____ _____	
---	--

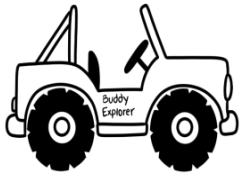


flora _____ _____ _____	
---	--



fewer _____ _____ _____	
---	--





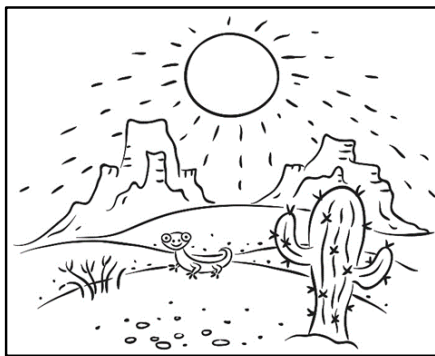
Deserts



A **desert** is a habitat that gets very little rainfall. Our planet has a lot of deserts, and there are deserts on all 7 continents. These places can be cold or hot, but they are always dry, they get **fewer** than 10 inches of rain a year. Some deserts don't get any rain for a whole year!

Fauna

Animals that live in the deserts do not need much water to live. Some animals, like kangaroo rats, get water from eating seeds. Other animals, like desert foxes, get water from eating other animals. Many desert animals are **nocturnal**. Animals that live in deserts include camels, lizards, geckos, scorpions, snakes, and spiders.



Flora

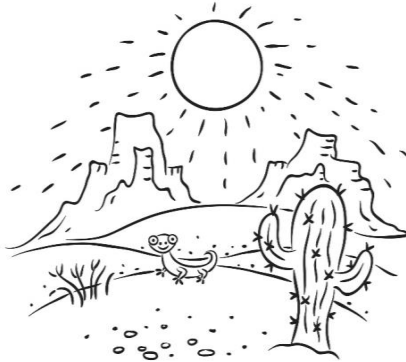
Desert plants can wait years for rain. Some plants, like cactus, store water to last until the next rain. Some desert plants bloom only when it rains.

Deserts Notes

Use this sheet to record notes from the reading



Animals



My Opinion



Interesting Facts



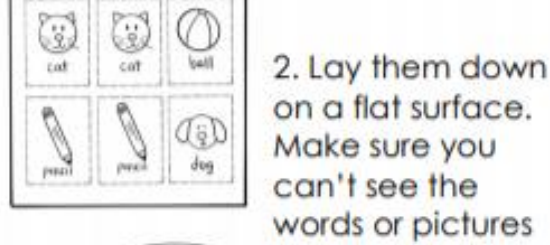
Weather

Vocabulary Words

How to Play "Memory"



1. Cut out all of the cards



2. Lay them down on a flat surface. Make sure you can't see the words or pictures

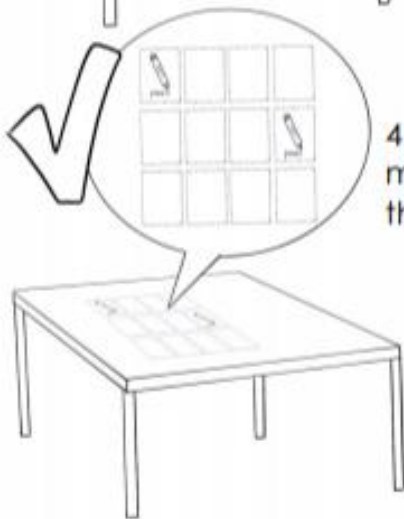


3. Turn over 2 cards at a time to try to find a match

Say the words as you turn over the cards

5. When all the matches are found, the game is over.

The player with the most cards wins!



4. When you get a match, you keep those cards

A	A	✓	B	K	✗
♥	♥	✓	4	♥	✗
7	7	✓	8	2	✗

Memory Game- Vocabulary Packets 1-3

planet	a large, round object in space that travels around a star	habitat	type of place where a plant or animal naturally lives or grows
ocean	a huge body of salt water	earthquake	a shaking of a part of the Earth's surface that causes damage
continent	a large solid area of land	temperature	how cold or hot something is
weather	the temperature and other conditions in a place and time	rainfall	how much rain falls on an area

Memory Game-Vocabulary Packets 1-3

shelter	a place that protects people or animals	flora	all the animals that live in a region
land	the solid part of the surface of the Earth	fauna	all the plants that live in a region
desert	dry land with few plants and little rainfall	fewer	a smaller number of
nocturnal	active in the night		

Drawing my Sentences

Directions:

1. Write the vocabulary words.
2. Write **3 sentences** using those words.
3. Make a **drawing** for your sentences.





Extension
Read your sentences
to your Buddy.

Writing a Poem: Sensory Poem

Think of everything you know about deserts and write your Sensory Poem.

The desert

Written by _____

I hear 

I see 

I smell 

I taste 

I touch 

Extension

Read your poem
to your Buddy.

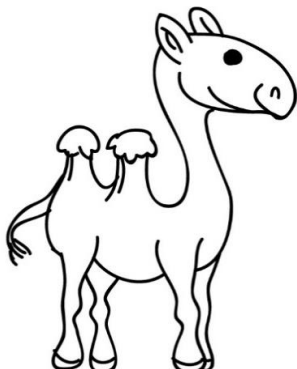


Creative Writing – Lost in a Desert

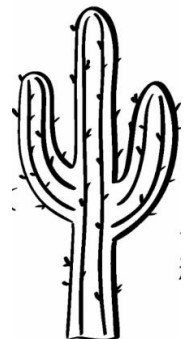
Imagine you are lost in a desert!

Write about the people and things that you would like to have with you.

A large rectangular writing area with horizontal lines. The top and bottom edges are decorated with a pattern of small circles and arrows pointing outwards. The left and right edges are decorated with a vertical pattern of small circles and arrows pointing inwards.



Extension
Read your composition
to your Buddy.





Math Unit Conversions

To make conversions you need to make a table.

Example:

Bigger to smaller unit? **MULTIPLY!** \times

feet	=	inches
1		12
2		24
3		36
4		48

\div Smaller to bigger unit? **DIVIDE!**

Let's practice!

How many inches in 4 yards?



yard	=	inches
1	=	36
2	=	72
3	=	108
4	=	144

4 yards x 36 inches
 4 x 36 = 144
Answer = 144 inches

Desert Facts Conversions

Saguaros are found exclusively in the Sonoran Desert in Sonora and Arizona.

1. In Sonora, Mexico, saguaros can grow to be between 40-60 feet tall. What is that height in inches?

feet	=	inches
1		12

1 foot = 12 inches

2. With the right growing conditions, it is estimated that saguaros can live to be as much as 175 years old. What is that age in weeks?

year	=	weeks
1		52

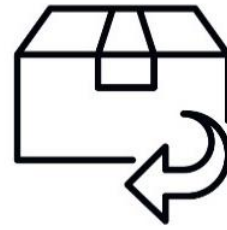
1 year = 52 weeks





Importing and Exporting

Import to bring in goods and services from another country.
(Buying)



Export: to send out goods and services to another country.
(Selling)

We **import** many of the products that we consume from desert habitats.

Saudi Arabia, in the Arabian desert, is the world's largest oil **exporter**.



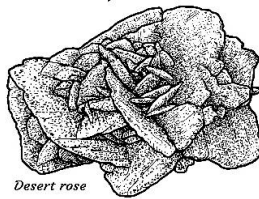
What Does Your Country Export and Import?



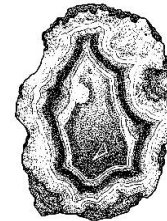
Desert habitats are also ideal for the formation of important minerals like potassium and other salts. They **export** most of these minerals to the world.



Gold





Desert rose



Agate



Talk to your family or friends about the country where you come from. What products does your country **import and export?**

 Import		Export 	
Product	Draw	Product	Draw

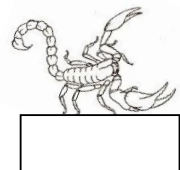
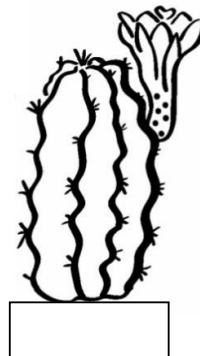
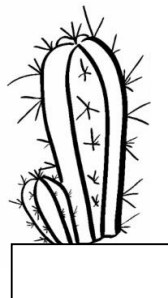
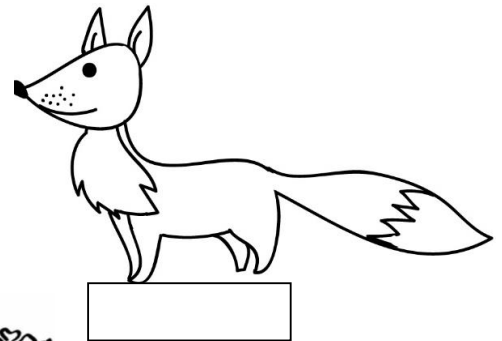
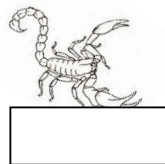
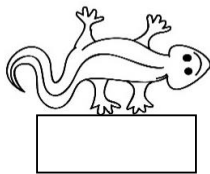
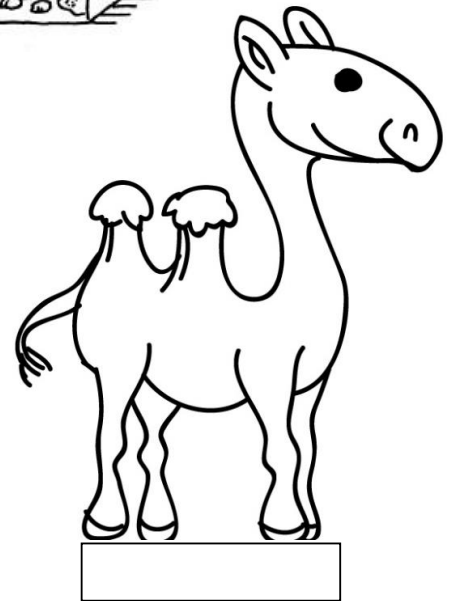
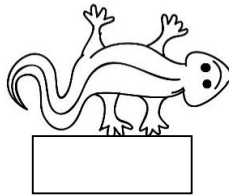
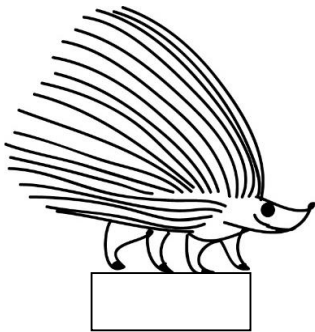
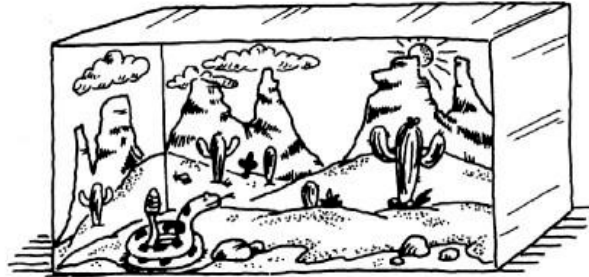


Desert Diorama

A diorama is a model representing a **scene** with 3-dimensional figures. Let's make a Desert Diorama!

Materials:

- shoe box or a paper sand
- sand
- desert pictures





My Packet Journal

Draw a picture about what you learned in this packet:

A large, empty rectangular box with a thin black border, intended for students to draw a picture about what they learned in the packet.

Write about what you learned in this packet:

Four horizontal lines provided for students to write about what they learned in the packet.

ICMEE is housed within:





Reference Sheet

LENGTH	
Metric	Customary
1 kilometer = 1000 meters	1 mile = 1760 yards
1 meter = 100 centimeters	1 mile = 5280 feet
1 centimeter = 10 millimeters	1 yard = 3 feet
	1 foot = 12 inches

CAPACITY AND VOLUME	
Metric	Customary
1 liter = 1000 milliliters	1 gallon = 4 quarts
	1 gallon = 128 ounces
	1 quart = 2 pints
	1 pint = 2 cups
	1 cup = 8 ounces

MASS AND WEIGHT	
Metric	Customary
1 kilogram = 1000 grams	1 ton = 2000 pounds
1 gram = 1000 milligrams	1 pound = 16 ounces

TIME	
1 year = 365 days	
1 year = 12 months	
1 year = 52 weeks	
1 week = 7 days	
1 day = 24 hours	
1 hour = 60 minutes	
1 minute = 60 seconds	



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