Purple

Day 1

Name: _____

edHelper

What's a Hurricane?

By Cindy Grigg

A hurricane is a very strong storm. These storms usually start over the Atlantic Ocean in the tropics. The tropics are around the equator. Hurricanes only form in the summer and early fall months. They need a lot of warm, moist air to form. Hurricanes start at a place over the ocean where there's low air pressure. Because the pressure is low, the air rises. Cooler air from outside this low pressure spot rushes in to take its place. The moving air begins to spin like a tornado. The center of the hurricane is a calm part called the eye. The winds spin around this eye. The eye wall is near the eye. The eye wall is where the winds are strongest. These winds can be faster than 200 miles per hour! As long as the hurricane stays over warm water, it will keep growing stronger. The winds pick up more warm, moist air over the ocean, feeding the storm. This drives the winds even faster. When a hurricane passes over land or cooler water, it starts to lose energy. Still, hurricanes can do a lot of damage. They are very powerful storms!

What's a Hurricane?

Questions

_____ 1. Where do most hurricanes start?

A. near the North Pole
B. in the Atlantic Ocean near the equator
C. near Australia
D. near Antarctica

2. What is at the center of a hurricane?

_____

_____

_____ 3. When do hurricanes form?

A. They can form at any time.
B. They form in the summer and early fall months
C. They form in the winter and early spring months.
D. None of the above

4. What happens when a hurricane passes over cool water?

_____

_____

_____ 5. The fastest winds of a hurricane are _____.

A. before the hurricane
B. at the eye wall
C. after the hurricane
D. in the eye

Day 2

Name: _____ edHelper

Wow! Aha! Geez! Isabella the impala is quick to add these interjections when she talks or writes because they add emotions to sentences (like a word emoji!).

Aha Oops Good grief

Hooray Wow

Ouch Boo hoo

★ "_____," said Samantha when the alien broke her cell phone.

★ "_____," said the coach when the football player scored a touchdown.

★ "_____," said the mad scientist as he figured out the formula for a fountain of youth.

★ "_____," said the chef when he burned the spaghetti sauce.

★ "_____," said Bigfoot when he stubbed his enormous toe.

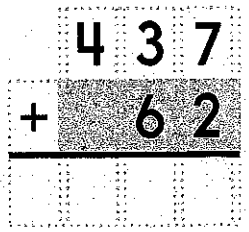
★ "_____," said the witch when her apprentice spilled the magic potion it had taken her three weeks to make.

★ "_____," said the giant when someone finally made him a big enough sandwich to satisfy his hunger.

Day 1

Name: _____

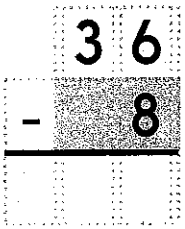
edHelper

5 + 1 - 1	How many hundreds are in the number 23,000?	33, 47, 61, 75, 89, 103, _____, 131, 145
7 x ___ = ___ = 21 x 3 6 x 10 = ___ = 15 x ___ 7 x ___ = 70 = ___ x 5 8 x ___ = ___ = 4 x 10 9 x ___ = 54 = ___ x 2	Name the shape with four sides and four angles.	81 ÷ 9 = 9
6 more than 656	Fill in the missing addition or subtraction operations. 4 ___ 3 ___ 1 = 2	70, 80, 90, 100, _____, 120, 130
What number multiplied by six is fifty-four?	Is 13 a composite or a prime number?	A book has 5 pages. Each page has 12 dimes. How many dimes in the book?
12 x 5 =	30 ÷ ___ = 6	

Day 2

Name: _____

edHelper

A rectangle is 59 cm on one side and 14 cm on another side. What is the perimeter?		7 + 6 - 5 - 2 - 3
___ ÷ 6 = 11	9 + 11 + 8 + 4	Yummy Donuts gave three dozen chocolate donuts and four dozen jelly donuts to the school. How many donuts did they give?
1, 8, 8, 2, 2, 3, 1, 8, 8, 2, _____, 3, 1, 8, 8	10 + 9 - 8	Ava bought a pack of six waters. It cost $3.96. How much did each water cost?
How many meters are there in 87 kilometers?	88 ÷ 8 x 7	You need to add what to 56 to get 62?
26 + n = 38	Hannah has 20 cookies. She and her 5 friends shared them equally. How many cookies did Hannah keep?	It was 5 degrees below zero in the morning. By afternoon the temperature rose 27 degrees. How warm was it?

Day3

Name: _____ edHelper

Write a short story. Use as many of these words as you can.
Circle each word in the word box that appears in your story.

intact • ripple • art • craftsman • aloud • disguises • yield • missed monochrome • doing • thing • daughter • enveloped • approach discreet • benefactor • buy • laundered • maid • square centimeter ship • exchange • barbarian • overcast • night

Day 3

Name: _____

edHelper

Double the number 6 three times.	C, F, I, L, _____, R, U, X	7, 9, _____, 13, 15, 17, 19, 21
A, I, C, L, E, _____, G, R, I, U, K, X	12, 19, _____, 34, 42, 51, 60, 70, 80, 91, 102, 114, 126, 139	Draw a number line with 0, $\frac{1}{2}$, and 1. Show where $\frac{9}{10}$ would go. Is $\frac{9}{10}$ closer to 0, $\frac{1}{2}$, or 1?
What is 50% of 260?	It is 7:47 when Jenna leaves her house. She arrives at school at 8:05. How much time has passed?	How many total legs are on 15 tigers.
Is 22 a composite or a prime number?	Fill in the missing addition or subtraction operations. 9 ___ 1 ___ 5 ___ 5 = 10	In the equation 31 x 310 = 9,610, which number is the product?
What is 18 less than 1,599?	Round 197 to the nearest ten.	Write the number that is one ten more than 4,409.

Day 4

Name: _____

edHelper

Emily gives each student in her class 2 fidget spinners. She gave out 34 of them. How many students are in her class?

What number is halfway between 0 and 12?

Write the missing family fact.
64 ÷ 4 = 16
16 x 4 = 64
64 ÷ 16 = 4

Erin gave each of the 13 students in her class an equal number of fidget spinners. She gave out 26 of them. How many did each student get?

Write the number that is one hundred less than 3,099.

Write this number:
7 tens, 4 thousands, 9 hundreds, 3 ones

$$\begin{array}{r} 266 \\ -\ 63 \\ \hline \end{array}$$

How many hours are there from 8 a.m. to 11 p.m.?

If you exchange 120 dimes for dollars, then how many dollars would you get?

10, _____, $10\frac{1}{4}$, $9\frac{1}{4}$, $10\frac{1}{2}$, $9\frac{1}{2}$, $10\frac{3}{4}$, $9\frac{3}{4}$, 11, 10, $11\frac{1}{4}$, $10\frac{1}{4}$

Holly gave out a survey. The answers she got back were 24, 25, 18, 25, and 32. What is the range of these numbers?

It's 9:00 a.m. and Wendy is getting ready for soccer practice. If practice starts at 2:50 p.m., then how much longer until soccer starts?

Day 4

Name: _____ edHelper

Did you know that you don't always have to use the word **brave** in your writing? Try to use different words for an overused word like **brave.** It will make your work more fun for others to read.

Circle words to the RIGHT or DOWN. Every letter is used exactly ONCE.

C F H A
H E E U
I A R D
V R O A
A L I C
L E C I
R S V A L O R O U S O
O S V A L I A N T U
U D A U N T L E S S S
S C O U R A G E O U S

Write the words found.

COURAGEOUS _____ AUDACIOUS _____ _____

_____ _____ _____

_____ _____

Write something using the word **brave** at least two times.

_____

_____

_____

Now rewrite your boring writing without using the word **brave.**

I can't wait to read it!

_____

_____

_____

_____

How many words do you think it takes to improve your writing?

Fifty. That's 50! There are about 50 overused words we often use in writing and conversations.

When you find yourself repeating, try something different. It doesn't take much work to sound amazing!

Name _____

Hummingbirds

Answer the following questions **BEFORE** you read this book. Write what you know. If you want to guess, you can. You will **NOT** be marked wrong!

1. **Have you ever seen a hummingbird? Describe what it looked like.**

_____

_____

2. **Why are hummingbirds called hummingbirds?**

_____

_____

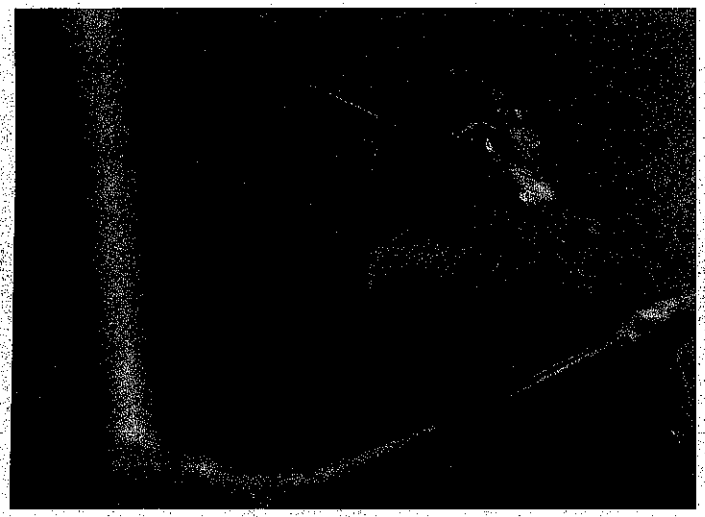
3. **What kind of climate do hummingbirds need to survive?**

_____

_____

Hummingbirds get their name from the humming sound their wings make. The sound is produced by the rapid beating of their wings as they flit from flower to flower. The birds hover over brightly colored blooms and drink nectar. Scientists have identified over 300 kinds of hummingbirds. The smallest is the bee hummingbird, which is only about two inches long. The bee hummingbird is indigenous to Cuba. It is also the smallest bird in the world.

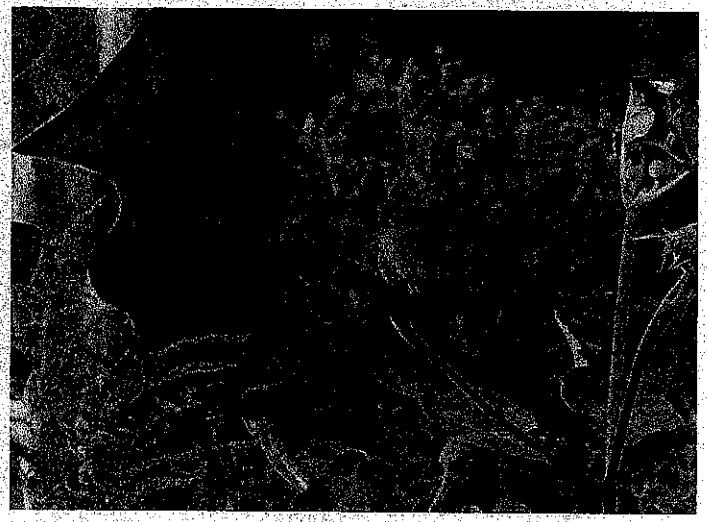
Day 5



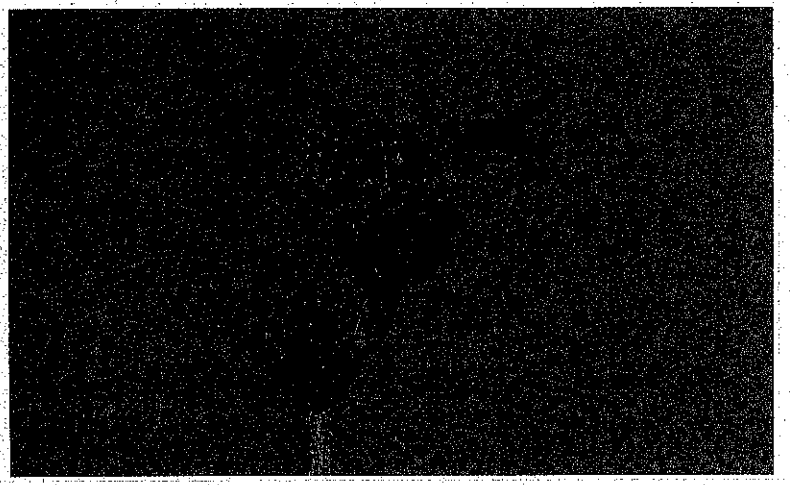
Hummingbirds have brightly colored feathers. They may be brilliant blue, emerald green, or deep purple. Some are fiery red or glowing orange. The male ruby-throated hummingbird has metallic-green feathers with a bright red throat. A hummingbird's feathers often appear to change color as the bird flitters in the sunlight. The change is due to special cells in the top layers of the feathers. These cells refract light much like a prism.

Hummingbirds live in North America, South America, and Central America. Some make their homes high in the Andes Mountains. They go into caves to escape frost or snow that comes with very cold weather. Others inhabit deserts and grasslands. The majority make their homes in tropical rainforests. Many hummingbirds migrate an average of 500 miles every year. The rufous hummingbird travels from Mexico to Alaska, a journey of roughly 3,000 miles.

Draw a picture of a hummingbird in one of its natural environments.

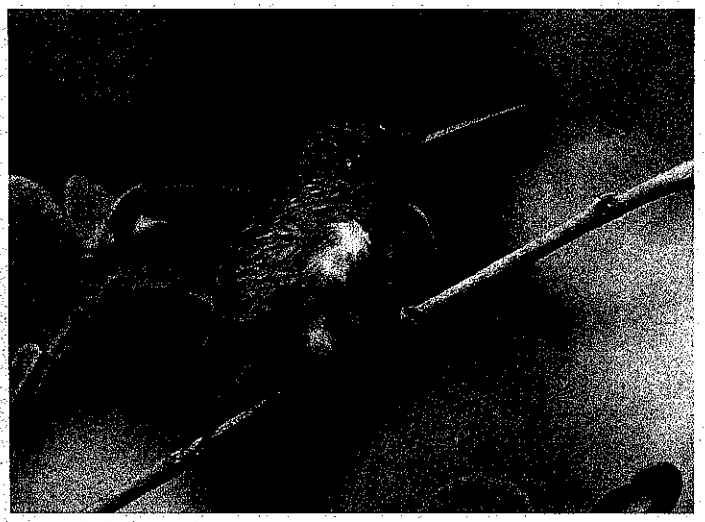


Hummingbirds are amazing fliers. They move quickly. They can fly upward, downward, backward, and forward. They can fly sideways and upside down. Hummingbirds hover, turning their wings in opposite directions and reversing into figure-eight movements. Special muscles enable the birds to execute powerful up and down strokes with their wings. Hummingbirds can flap their wings from 20 to 200 times in one second.



Hummingbirds have a high rate of metabolism. Their hearts beat fast. Some have heart rates of more than 1,200 beats per minute. Their appetites are huge. Hummingbirds are nectivores. Nectar from flowers makes up around 90 percent of the hummingbird's diet. The bird's tongue is long and thin. The end is forked. Hummingbirds eat more than their weight in nectar each day. They flit from flower to flower, sometimes at a rate of 20 flowers per minute.

Draw a picture of a hummingbird drinking nectar.

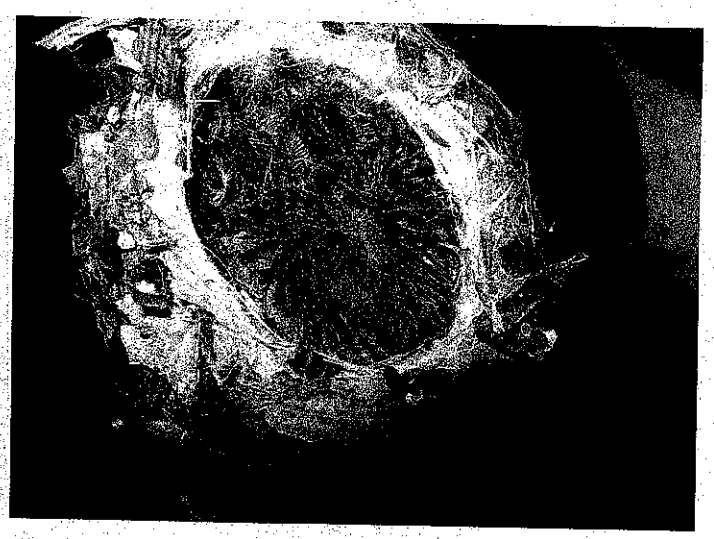


Hummingbirds also eat insects, such as fruit flies and spiders. The birds are able to digest their food very quickly. A fly or spider can be completely digested in about 10 minutes. At night, hummingbirds lower their body temperature and heart rate. This state of nocturnal hibernation is called torpor. It allows the birds to rest without feeling hungry.

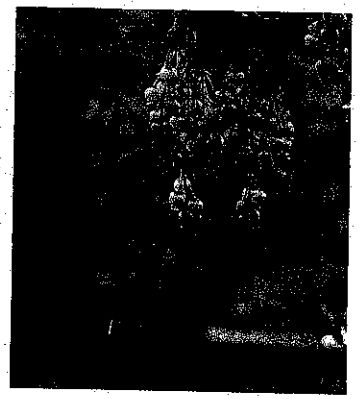
Hummingbirds don't spend all of their time eating and resting. Many of the birds are fond of water and take time out during their busy day to bathe. Some hummingbirds splash in shallow water. Some perch on a branch and spread their wings and tail to soak up the rain. Others seek out a waterfall or a sprinkler and sit close enough to feel the water's spray. A few bolder birds dive into water. After a bath, the hummingbird preens itself.

Draw a picture of a hummingbird taking a bath.

Hummingbirds aren't very social birds. Males and females come together only during the breeding season. The male performs a flying dance for an interested female. Once the two birds mate, the female builds a nest shaped like a cup. The nest is made of materials such as moss, leaves, hair, feathers, and wool. Spider webs are used to hold the nest together and secure it to a tree branch. Bits of bark and lichens are used to camouflage the nest.



The female lays two tiny eggs. They are roughly the size of a coffee bean. The incubation time for the eggs is two to three weeks. The female raises the young hatchlings all by herself. The baby birds are born with a thin covering of down. Their eyes are closed. Their bill is a tiny bump. The little hatchlings are quite vulnerable to predators, which include large insects. The female is very protective of her young. The hatchlings fledge when they are three or four weeks old.



Hummingbirds are charming, energetic, and attractive. They are also very useful. Many plants depend on the birds for pollination. Hummingbirds don't have a very good sense of smell, but they can see colors, especially red. They're attracted to flowers that many insects don't see. Hummingbirds also hover under flowers that have difficult landing spots for other insects. Hummingbirds flit from flower to flower, collecting nectar and depositing pollen. They are valuable little gardeners!

Name _____

Hummingbirds

Answer the following questions **AFTER** you have completed this book.

1. Explain why hummingbirds have such huge appetites even though they are very small birds.

_____

_____

2. Circle the continents where hummingbirds live in the wild.

Africa	Antarctica
Asia	Australia
Europe	North America
South America	

3. Circle the statements about hummingbirds that are true.

Hummingbirds are very social birds.

Hummingbirds like to bathe.

Hummingbirds can fly upward, downward, backward, and forward.

Hummingbirds are considered pests by many gardeners.

Hummingbirds can't live in cold weather.

Hummingbirds primarily feed on nectar.

The male hummingbird builds the nest.

The female hummingbird cares for the hatchlings by herself.

Hummingbirds are useful pollinators.

4. How do hummingbirds curb their appetites so they can rest at night?

_____

_____

5. Why do some hummingbirds appear to change color in the sunlight?

_____

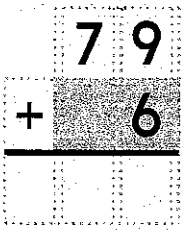
_____

6. Imagine you are a hummingbird. Write a story that describes a day in your life. How busy are you? What are some of your activities?

7. In the past, hummingbirds were killed for their feathers, which significantly affected the numbers of some kinds of hummingbirds. Write a story to convince people of the importance of hummingbirds and why these tiny birds should be protected.

Days

Name: _____ edHelper

5 - 1 + 4 + 2	How many centimeters in 5.6 meters?	Round 1685 to the nearest hundred.
7 x ___ = 56 = ___ x 2 9 x ___ = 45 = ___ x 15 6 x ___ = 48 = ___ x 3 10 x ___ = 50 = ___ x 2 5 x ___ = 50 = ___ x 25	N, K, M, J, L, I, _____, H, J, G	R, S, 4, 1, R, S, 4, 1, _____, S, 4, 1, R, S, 4, 1
Draw a small clock that shows 5 minutes past 11:00.	48 ÷ 8 =	
(1,024), (256), _____, (16), (4), (1), $\frac{1}{4}$, $\frac{1}{16}$, $\frac{1}{64}$	The diameter of a circle is 1,562 cm. What is the radius of this circle?	70 + 70 + 70 + 70 + 70 Change this into a multiplication problem. ___ x ___
double 31 =	2 less than 742	What 4 coins add up to 12 cents?