

Valentine's Day

Busy Book

4th
Grade



Speaking
from the
Heart 



18 15 19 5 19

1 18 5

18 5 4

22 9 15 12 5 20 19

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S w e e t
19 23 5 5 20

1 19

25 15 21 !



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Certificate of Completion

Answer Sheets

** Has an Answer Sheet*

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Heart Phraseology

- heart-to-heart-talk
- heartburn
- make one's heart leap
- down-hearted
- heart attack
- half-hearted
- learn it by heart
- lose one's heart
- be near to one's heart
- a change of heart

Speaking
from the
Heart 



Match the phrases above to each definition.

Use the blanks to guide you.

1. fall in love:

2. memorize:

3. sad:

4. an honest conversation:

5. to be fond of:

6. discomfort after eating something spicy:

7. without great enthusiasm:

8. change in opinion:

9. a stop in blood flow to the heart:

10. to suddenly excite:

"Be My Valentine"

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

ADMIRER
ARROW
BEAUTIFUL
CARDS
CARING
CHOCOLATES

CUPID
FEBRUARY
FRIENDSHIP
HEART
HONEY
LACE

LOVE
PINK
POETRY
RED
RIBBONS
ROMANTIC

ROSES
SWEETHEART
TREAT
VALENTINE
SAINT





WILL THE REAL SAINT VALENTINE PLEASE STAND UP?



FILL IN THE BLANKS WITH THE WORDS FROM PAGE 2 TO LEARN MORE ABOUT ST. VALENTINE.

Every February 14th, Valentine's Day is _____ in various ways around the world. Some people celebrate by giving _____, candy and cards to those they love. People celebrate love in _____ of Saint Valentine, but... who WAS Saint Valentine, anyway?

One legend says that Valentine was a priest who served in Rome during the third century. At that time, Emperor Claudius II ruled over Rome. Emperor Claudius II believed that single men made better soldiers than _____ men. In the hopes of creating a stronger _____ for his empire, he decided to _____ a law that prohibited marriage for young men. According to the legend, Valentine decided this decree was unjust, and he chose to officiate secret wedding ceremonies for young couples. Emperor Claudius II discovered Valentine's illegal acts and _____ him to death!

Another legend claims that Valentine was a prisoner who fell in love with his jailor's daughter. Before Valentine was put to death, he wrote her a letter and sent the first "valentine" card. He signed the letter "Your Valentine", a _____ that we still use on Valentine's Day cards today.

Perhaps we will never know who the real Saint Valentine was, or the truth behind his story. However, because of his _____, February has been the month to celebrate love for centuries. In fact, the number of cards sold each year for Valentine's Day ranks second only to _____.

Another Valentine's Day figure you may know is Cupid. The word "Cupid" comes from the Latin word "cupido", which _____ to "desire." If you have ever studied Roman mythology, you'll know that Venus was the goddess of love. Cupid was her son. In Greek _____, Cupid is known as Eros (which sounds like "arrows"). Cupid was known as a mischievous character that often went around striking gods and humans with arrows from his _____, making them fall in love. Today, we consider a picture of a heart with an arrow through it as a symbol of love, or falling in love.



WORD BANK

BOW

ENACT

CELEBRATED

CLOSING

TRANSLATES

FLOWERS

CONDEMNED

MILITARY

STRIKING

MARRIED

MYTHOLOGY

CHRISTMAS

LEGEND

HONOR



How many words can you make using the letters
from CELEBRATE VALENTINE'S DAY?

CELEBRATE VALENTINE'S DAY

1

2

3

4

5

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27

28



My Secret Valentine Message

Use the alphabet code to solve your secret Valentine's Day message.

A = 1	G = 7	M = 13	S = 19	Y = 25
B = 2	H = 8	N = 14	T = 20	Z = 26
C = 3	I = 9	O = 15	U = 21	
D = 4	J = 10	P = 16	V = 22	
E = 5	K = 11	Q = 17	W = 23	
F = 6	L = 12	R = 18	X = 24	



18 15 19 5 19

1 18 5

18 5 4

22 9 15 12 5 20 19

1 18 5

2 12 21 5

8 15 16 5

25 15 21 18

4 1 25

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15 21 20

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19 23 5 5 20

1 19

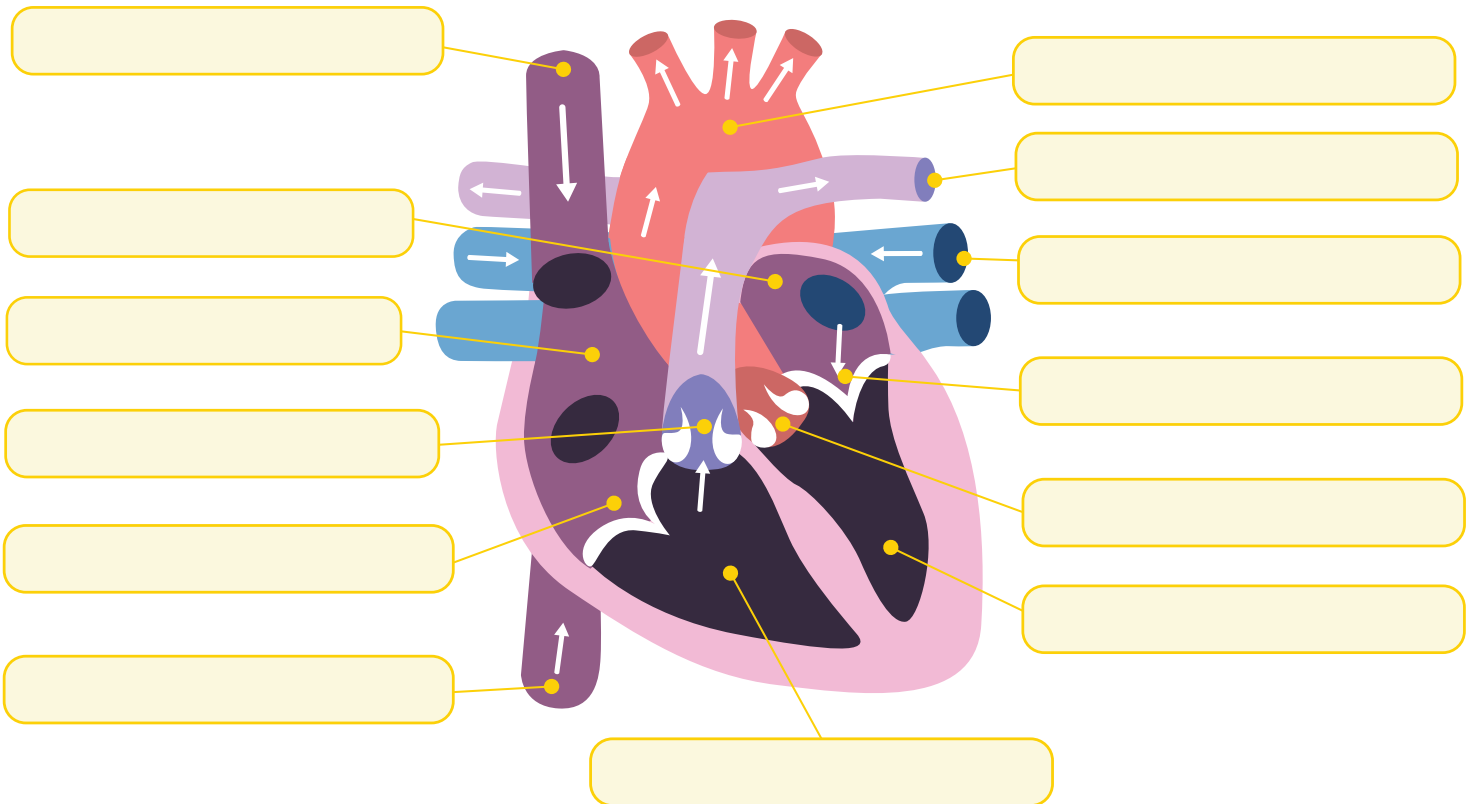
25 15 21



How Your Heart Works

The heart is a muscular organ that pumps blood through the body. It is about the same size as your fist. Oxygen-poor blood enters the **right atrium** of the heart. Veins called the **inferior vena cava** and the **superior vena cava** carry the blood to the right atrium. The blood is then pumped into the **right ventricle**, and then on through the **pulmonary artery** to the lungs. In the lungs, the blood loses carbon dioxide and is enriched with oxygen. The now oxygen-rich (“oxygenated”) blood is then pumped back to the **left atrium** of the heart through the **pulmonary vein**. The blood then moves to the **left ventricle**, then through the **aorta**, and out to the rest of the body. This cycle is then repeated. Your heart pumps about 2,000 gallons (7,600 liters) of blood every day, and beats about 100,000 times per day.

Use the Heart Glossary on the next page to help you label the parts of your heart. Keep your heart healthy by getting at least 20 minutes of physical activity per day. Remember: Your heart is a muscle. Keep it strong, and it will keep you strong!





Heart Glossary



AORTA the biggest and longest artery in the body (an artery is a blood vessel that carries blood away from the heart). It carries oxygen-rich blood from the left ventricle out to the body.

INFERIOR VENA CAVA a large vein that carries oxygen-poor blood to the right atrium from the lower half of the body (a vein is a blood vessel that carries blood to the heart).

LEFT ATRIUM the left upper chamber of the heart. It receives oxygen-rich blood from the pulmonary vein coming from the lungs.

LEFT VENTRICLE the left lower chamber of the heart. The left ventricle pumps blood through the aortic valve into the aorta.

MITRAL VALVE the valve between the left atrium and the left ventricle. It prevents blood from flowing back from the ventricle to the atrium.

PULMONARY ARTERY the blood vessel that carries oxygen-poor blood from the right ventricle of the heart to the lungs.

PULMONARY VALVE the flaps between the right ventricle and the pulmonary artery.

PULMONARY VEIN the blood vessel that carries oxygenated blood from the lungs to the left atrium.

RIGHT ATRIUM the right upper chamber of the heart. The right atrium gets oxygen-poor blood from the body through the inferior vena cava and the superior vena cava.

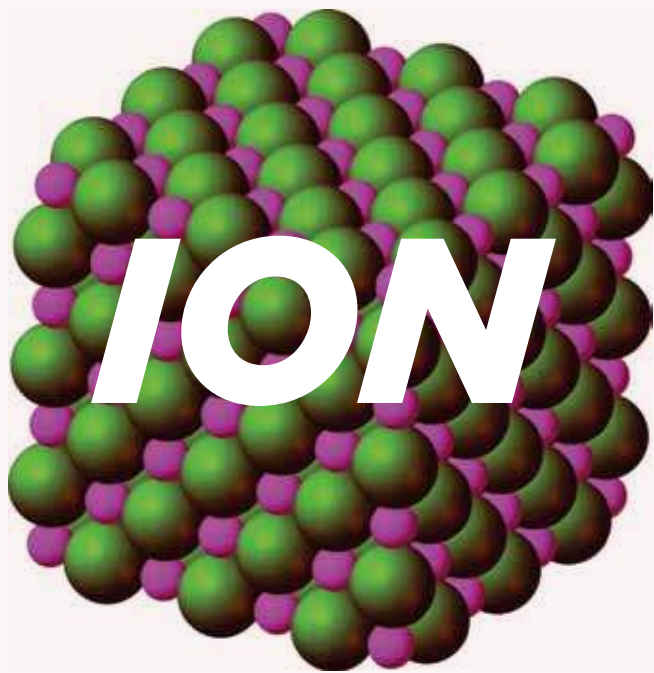
RIGHT VENTRICLE the right lower chamber of the heart that pumps blood into the pulmonary artery.

SEPTUM the wall that separates the left and right sides of the heart.

SUPERIOR VENA CAVA a large vein that carries oxygen-poor blood from the upper parts of the body to the right atrium.

TRICUSPID VALVE the flaps between the right atrium and the right ventricle. It is made up of three leaf-like parts.

I'VE GOT MY



YOU, VALENTINE!

I'm **POSITIVE** +

+ + you'd make an
+ + electrifying +
+ + Valentine...

So don't give me a -

NEGATIVE -

answer! -



It's Your
SA-TURN



To Make a Move,
Valentine!

I Hope You'll

COMET

To Being
My Valentine!

YOU'VE GOT NO
FAULTS!



**BE MY
VALENTINE!**

My Heart
dino-SAURS



When I See YOU,
Valentine!



YOU'RE THE ONE

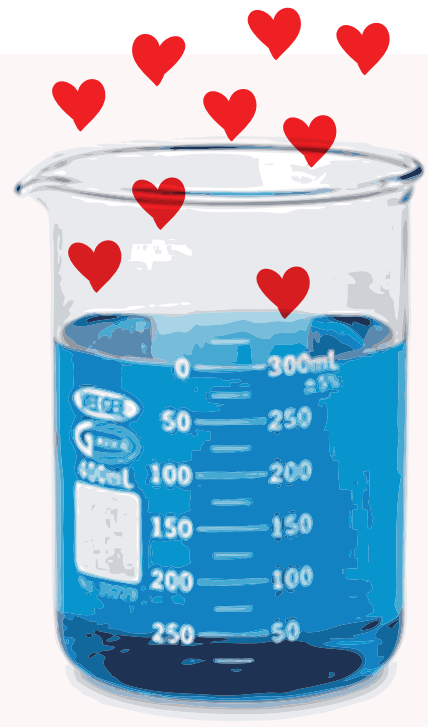
FERMI!

YOU'RE A TRUE

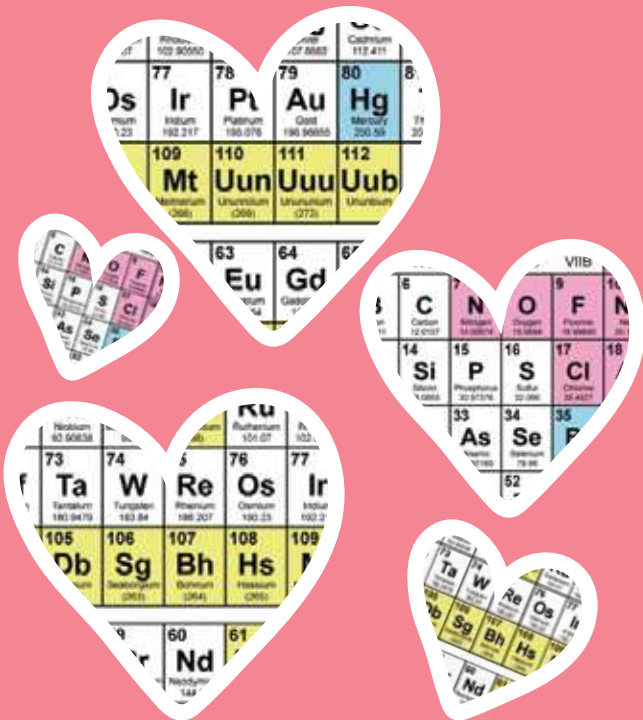
GEM

VALENTINE!

You're
GROWING on me,
Valentine!



*Beaker-ful
with my heart,
Valentine!*



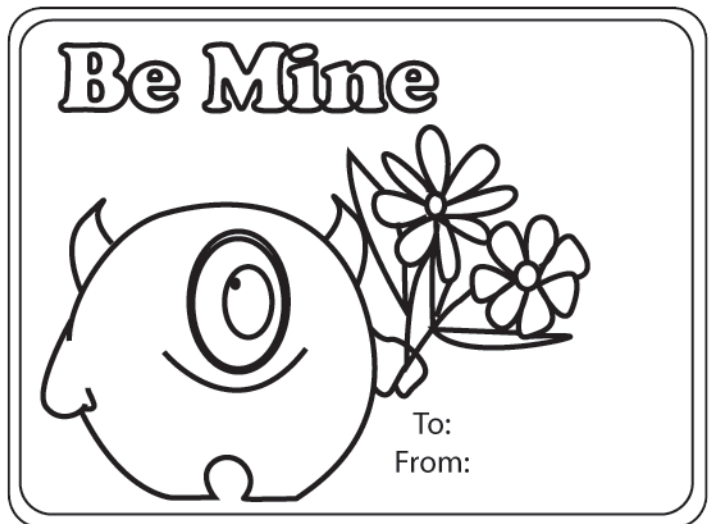
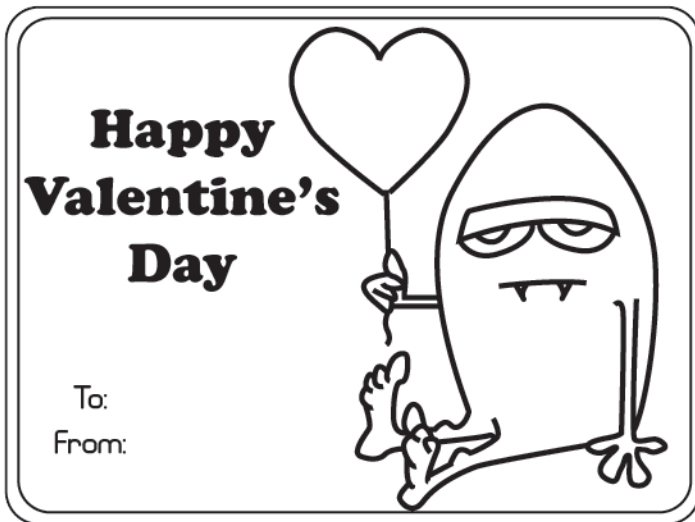
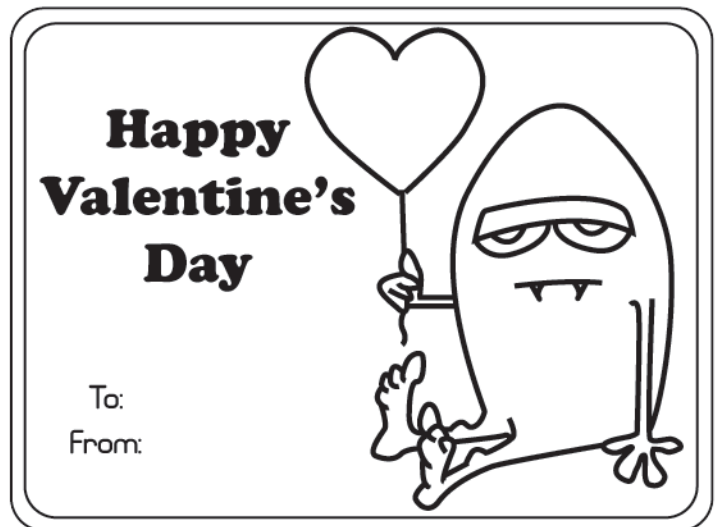
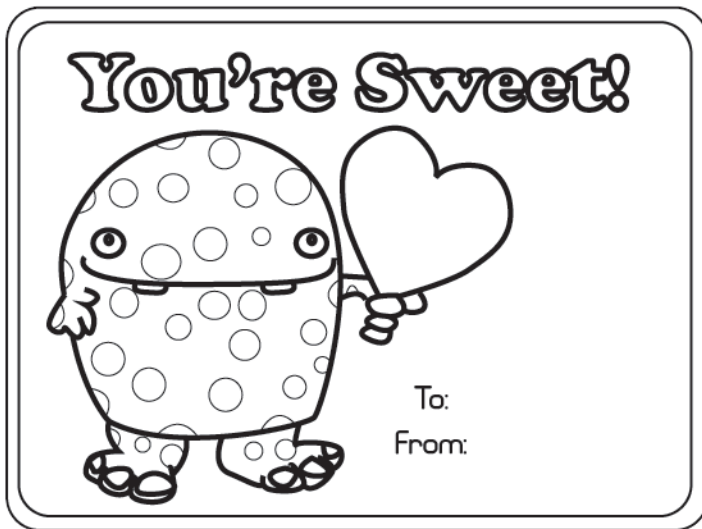
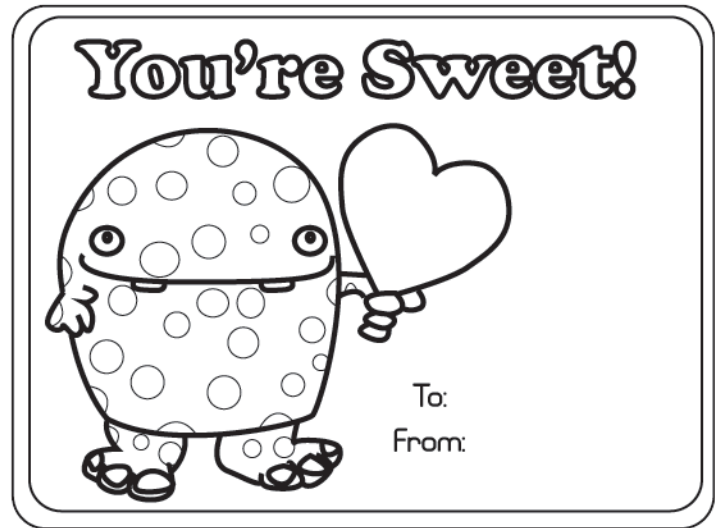
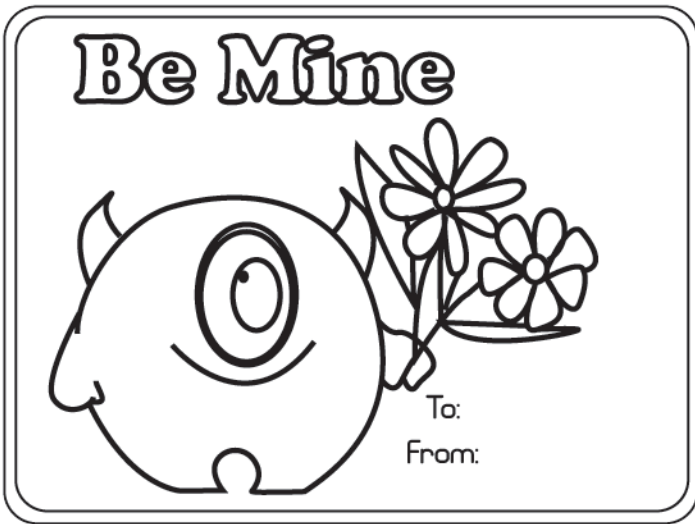
YOU HAVE ALL THE
ELEMENTS
I LOVE IN A VALENTINE!



*I Find You
HUMERUS!
Be My Valentine!*

Cut and Color

Little Monster Valentine's Cards!

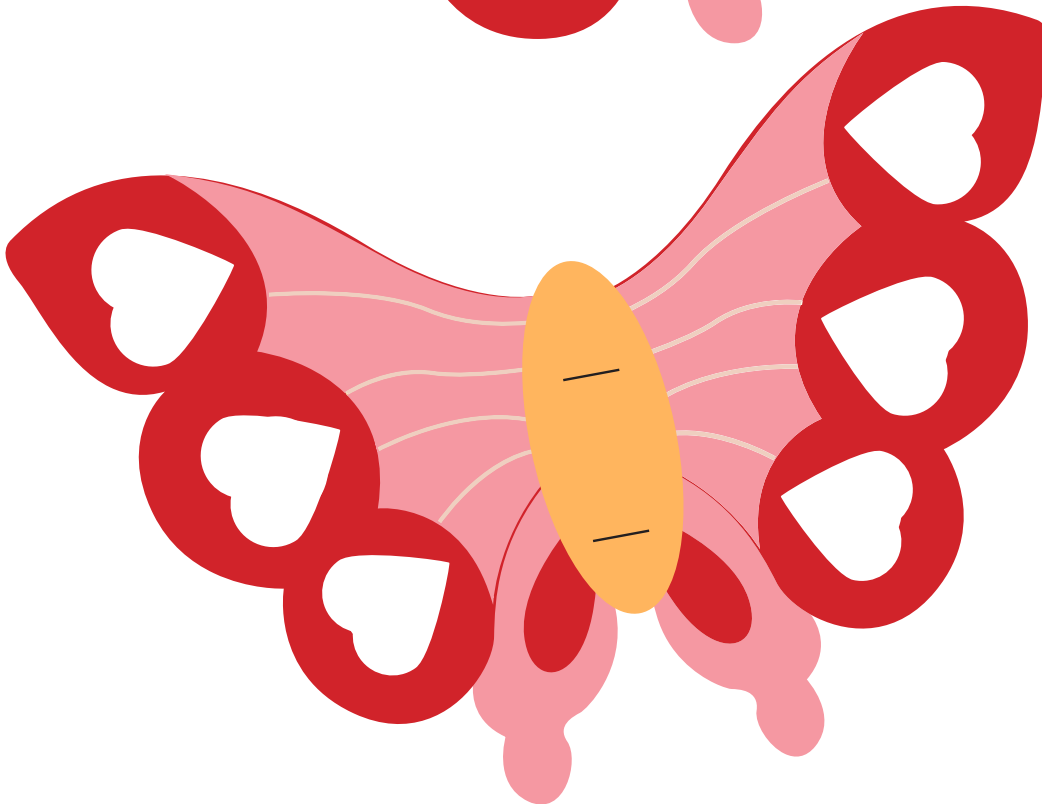
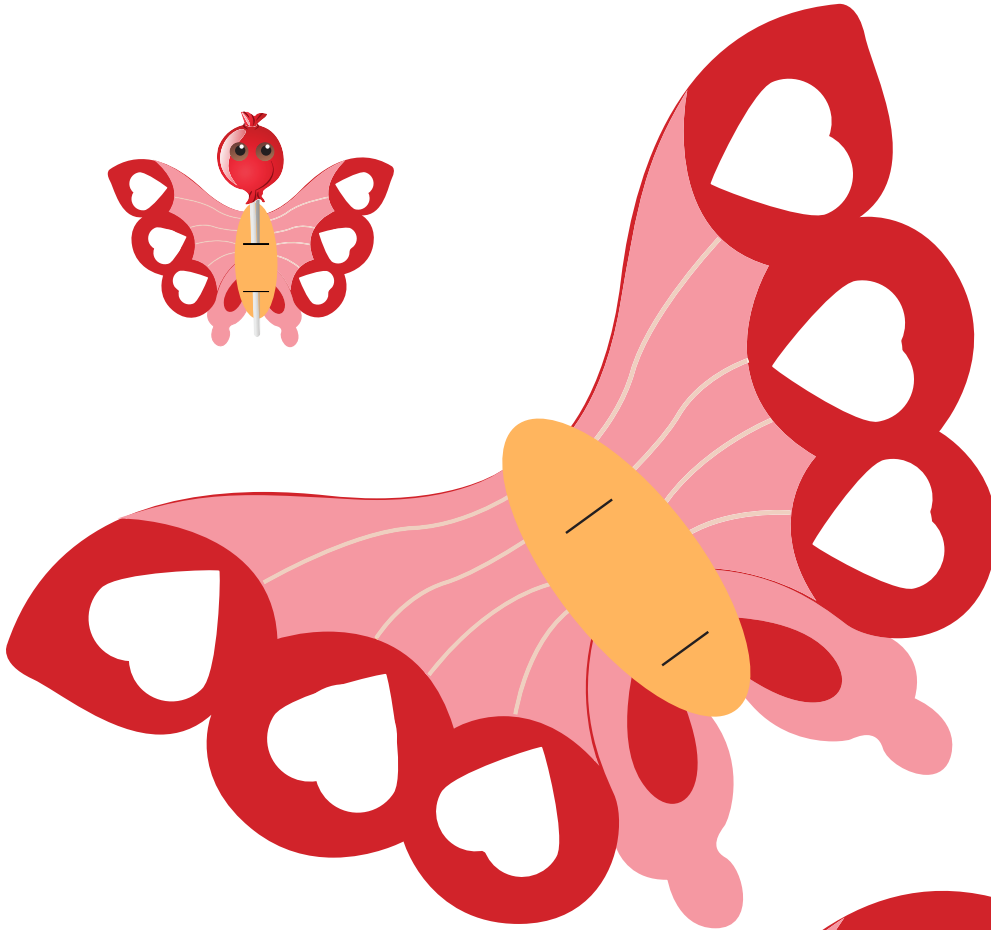
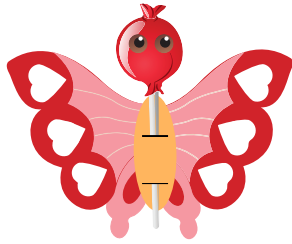


Vintage Valentines... messages of love from days gone by.
Cut on the dotted lines, write a message on back and give them to the special people in your life.

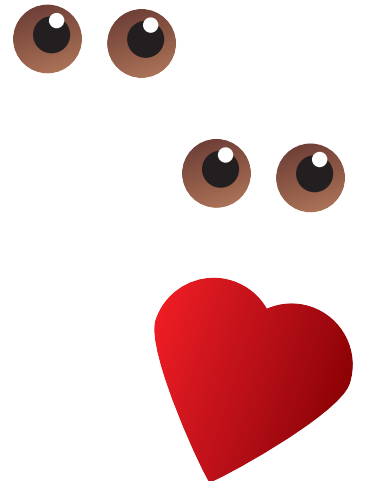


2 Lollipop Butterfly Valentines!

Add lollipops to butterflies for a fun valentine!



1. Print out on thick paper or card stock.
2. Cut out butterflies.
3. Cut slits for lollipop stick.
4. Slip lollipop through slits.
5. If you want, cut out and glue eyes on lollipop. Or add googly eyes, glitter or pipe cleaners for fuzzy antennas.
6. Then sign your name on the back and give to your friends!



MAKE DELICIOUS RED VELVET CUPCAKES

This year for Valentine's Day, you and your child can bake up a batch of classic red velvet cupcakes! Learn more about the history of this vintage treat while he uses his math and measurement skills. These cupcakes mix together an interesting combination of flavors, which will encourage your child's sense of taste – and willingness to try new things.

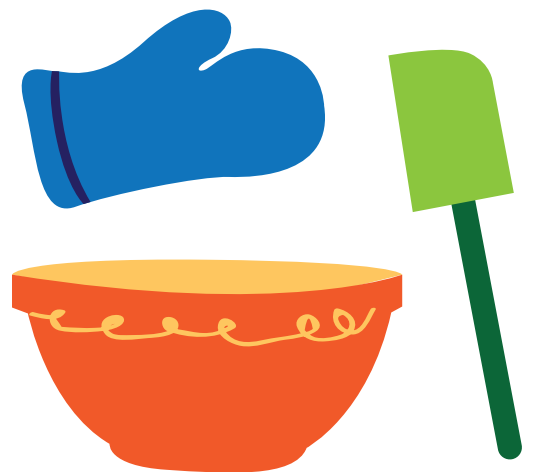
WHAT YOU NEED

- 2 ½ cup flour
- 1 teaspoon baking powder
- 1/2 teaspoon salt
- 2 tablespoons unsweetened cocoa
- 2 tablespoons red food coloring
- ½ cup softened butter
- 1 1/2 cup sugar
- 2 eggs
- 1 teaspoon vanilla
- 1 cup buttermilk
- 1/2 teaspoon white vinegar
- 2 cupcake tins
- Cupcake liners
- 2 mixing bowls
- Hand mixer
- Spatula
- Measuring cups and spoons



For the frosting:

- 8 ounces cream softened cream cheese
- ¼ cup softened butter
- 1 cup powdered sugar
- ½ teaspoon vanilla



WHAT YOU DO

1. Have your child measure the flour, sugar, baking powder, cocoa and salt. Add each to the mixing bowl. He can use a spatula to stir the mixture together and break up any lumps in the flour or cocoa.
2. Now help your child add the food coloring and vinegar. Your child can create that traditional reddish-brown color of the classic red velvet cupcake by measuring and adding the red food coloring along with the white vinegar.
3. Now your child can add the buttermilk, butter, eggs and vanilla. He can use the spatula to gently mix together the dry and wet ingredients and then switch over to the hand mixer and blend on low speed for one minute.
4. Preheat the oven to 350°F and have your child line the cupcake tins with the liners. Now he can carefully divide the batter between the cupcake tins.
5. Place in the oven for 20-25 minutes.
6. While the cupcakes are baking, your child can whip together some cream cheese frosting for his red velvet cupcakes! Have him measure and add the cream cheese, butter, vanilla and powdered sugar to a mixing bowl, and use the hand blender to whip the ingredients together until smooth.
7. Once the cupcakes have cooled, invite your child to frost the cupcakes with the cream cheese frosting using a butter knife. This is great for honing his fine motor skills and coordination.

**NOW YOUR CHILD CAN INVITE FRIENDS AND FAMILY OVER
TO SHARE HIS SPECIAL VALENTINE'S DAY TREAT!**

DID YOU KNOW?

The dark red color of red velvet cake comes from a reaction that takes place between cocoa and an acid, such as vinegar. During World War II when there were food rations, some bakers would add boiled beet juice, replacing food coloring, to achieve the classic dark red color!

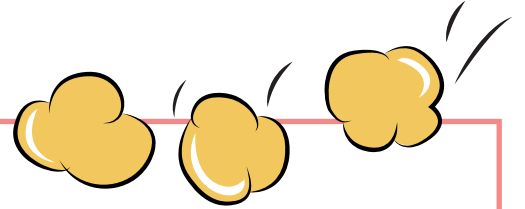
MAKE PINK POPCORN POPS!

Show your child how to give that plain red lollipop some pizzazz this Valentine's Day! With some popcorn, pink marshmallow goo and a few decorations, she can take a regular lollipop and jazz it up into a super tasty treat! These lovely lollipops are fun to make, plus they can be great gifts for friends or teachers. Your child will strengthen her motor skills and create a yummy final product, making this project well worth the sticky hands!



WHAT YOU NEED

- 7 cups popped popcorn
- 2 tablespoons of butter or margarine
- 3 cups of miniature marshmallows
- 8 lollipops (Dum-Dums or heart shaped lollipops)
- Wax paper
- Red food coloring
- Candy for decorating, such as Red Hots or red sprinkles
- Cupcake cups (in Valentine colors like red , pink or white)



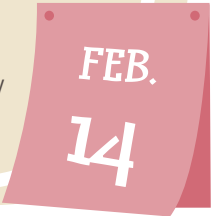
WHAT YOU DO

1. Place the popped popcorn in a buttered bowl.
2. Melt the marshmallows and butter together over low heat, until the mixture is smooth and creamy. Be sure to continuously stir it so it doesn't stick to the pot and burn
3. Once this mixture is completely melted, remove it from the heat.
4. Add a couple of drops of food coloring until the mixture reaches a pink color that she likes.
5. Carefully pour the melted marshmallow mixture over the popcorn. Remember, the marshmallows will be hot! Let the mixture cool with the popcorn, and then have your child mix the two together until the popcorn is completely coated.
6. Invite your child to butter her hands and fingers. Have one person hold the lollipop (be sure to remove any wrappers), and have your child take some popcorn mixture and squeeze it around the lollipop until it is no longer visible. With buttered hands, shape the popcorn around the lollipop until it looks like a ball.
7. Take a cupcake cup and press it through the bottom of the lollipop stick, pushing it up until it's cupping the popcorn ball.
8. Have her place the confections onto a piece of wax paper.
9. Lastly, take some Red Hots or cinnamon candy and decorate the homemade popcorn lollipops! They'll make a great gift, or a fun (and sticky) treat to eat right away!

Valentine's Day Reflection

Every year on February 14th, people celebrate Valentine's Day by showing their affection for each other in various ways. If you could show someone that you care about them, who would you choose?

Why would you choose that person? In your paragraph, describe the ways you would show that person how you feel.



A series of horizontal dotted lines for writing a paragraph.





William Shakespeare

William Shakespeare was born in Stratford-Upon-Avon, England, in 1564. He is still known today as one of the most romantic of all playwrights and poets of all time. One of his most famous works is called, “Romeo and Juliet,” a tragic love story, set primarily in the town of Verona, Italy during the Renaissance period (14th and 15th centuries).

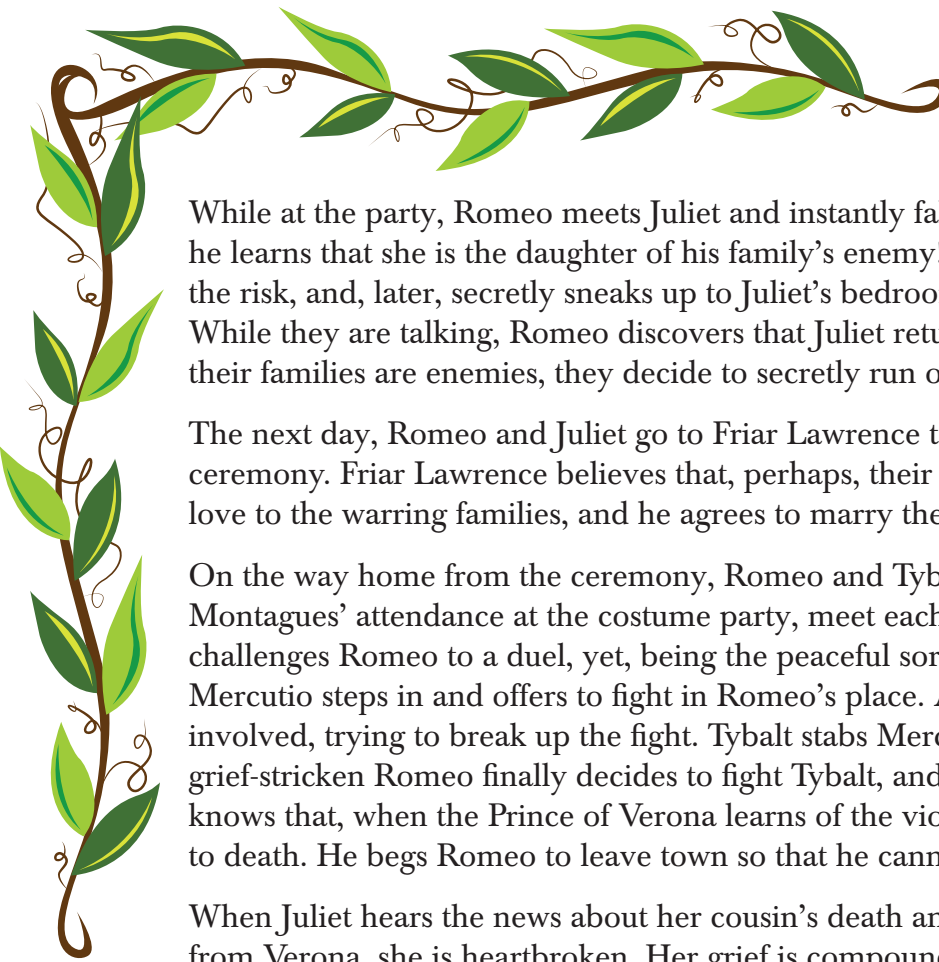


Read the adapted story of Romeo and Juliet below, and answer the comprehension questions that follow. Be sure to write your answers in complete sentences.

Our story begins in Verona, Italy, where two families – the Montagues and the Capulets – have been feuding for a rather long time. The Prince of Verona has declared that anyone who is caught fighting in the streets of town will be sentenced to death!

Romeo Montague, a young man more interested in love than fighting, has fallen madly in love with a young woman who does not love him back. He shares his heartbreak over the girl’s disinterest with his cousin, Benvolio, and his friend, Mercutio. Benvolio and Mercutio convince Romeo that he should try to forget about the girl for a while and come to a party with them that evening. The party is being hosted by the Capulets, which could be dangerous for them, as they are Montagues! However, the party is a costume party, and, being the young risk-takers that they are, they believe it will be fun and entertaining to attend the party in disguise.

Meanwhile, in the Capulet household, they are preparing for the festivities to begin. The older Capulet is planning for the party to be a romantic setting to encourage his sweet daughter, Juliet, to fall in love with the esteemed Count Paris. When the party begins, Capulet’s nephew, Tybalt, informs him that there are Montagues at the party, Capulet does not want to spoil the party’s atmosphere. He commands Tybalt to leave the Montagues alone to enjoy the party.



While at the party, Romeo meets Juliet and instantly falls in love. He is saddened when he learns that she is the daughter of his family's enemy! He decides that Juliet is worth the risk, and, later, secretly sneaks up to Juliet's bedroom window to tell her of his feelings. While they are talking, Romeo discovers that Juliet returns his feelings of love. Even though their families are enemies, they decide to secretly run off together and marry.

The next day, Romeo and Juliet go to Friar Lawrence to ask him to conduct their wedding ceremony. Friar Lawrence believes that, perhaps, their marriage will finally bring peace and love to the warring families, and he agrees to marry them.

On the way home from the ceremony, Romeo and Tybalt, who is still upset about the Montagues' attendance at the costume party, meet each other in the street. Tybalt angrily challenges Romeo to a duel, yet, being the peaceful sort, Romeo refuses to fight him. Mercutio steps in and offers to fight in Romeo's place. A fight ensues, and Romeo gets involved, trying to break up the fight. Tybalt stabs Mercutio and kills him. A horrified and grief-stricken Romeo finally decides to fight Tybalt, and ultimately kills Tybalt. Benvolio knows that, when the Prince of Verona learns of the violence, Romeo will be sentenced to death. He begs Romeo to leave town so that he cannot be caught and sentenced.

When Juliet hears the news about her cousin's death and Romeo's imminent departure from Verona, she is heartbroken. Her grief is compounded by the fact that her father is now forcing her to marry Count Paris. She seeks counsel from Friar Lawrence, who devises a plan to help her and Romeo be together. He gives Juliet a special kind of poison that will make her appear dead, although she will actually only be in a deep, deep sleep. Friar Lawrence plans to send a message to Romeo to tell him to come back for Juliet once everyone thinks she is dead. Romeo is to find Juliet in her family's tomb and take her away as soon as she awakes.

Juliet follows her part of the plan. However, Friar Lawrence's message never gets to Romeo. Instead, Romeo hears the news of Juliet's "death," and is so stricken with grief, he returns to Verona with a deadly poison of his own. He goes to Juliet in the Capulets' tomb and drinks the poison. He dies next to Juliet's sleeping body. When Juliet awakes from her sleep, she finds Romeo, laying next to her, dead. She is so saddened that she takes a dagger and kills herself.

Shakespeare's story of Romeo and Juliet is called a tragedy because the ending is not a happy one, but heartbreaking and sad. One positive result came out of Romeo and Juliet's deaths. When the Capulets and the Montagues learned of the events that led to the deaths of their two children, they finally agreed to end their many years of fighting. In the end, the Prince of Verona expresses his hope that the tragic love story of Romeo and Juliet will help keep peace in Verona.

The End





Romeo and Juliet: Comprehension Questions

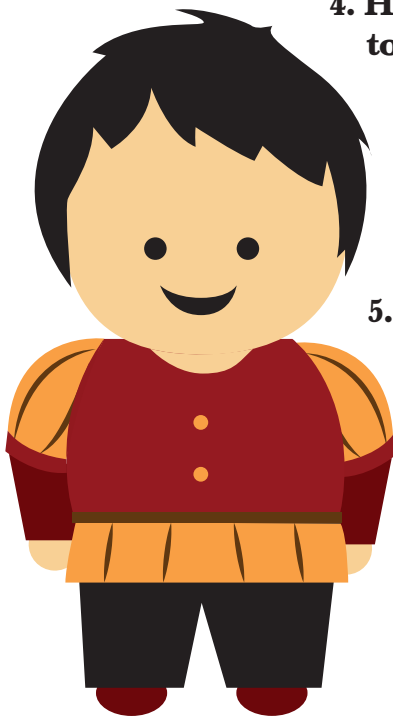
1. Why do you think Mr. Capulet tells Tybalt to leave the Montagues alone to enjoy the party, instead of having Tybalt throw them out?

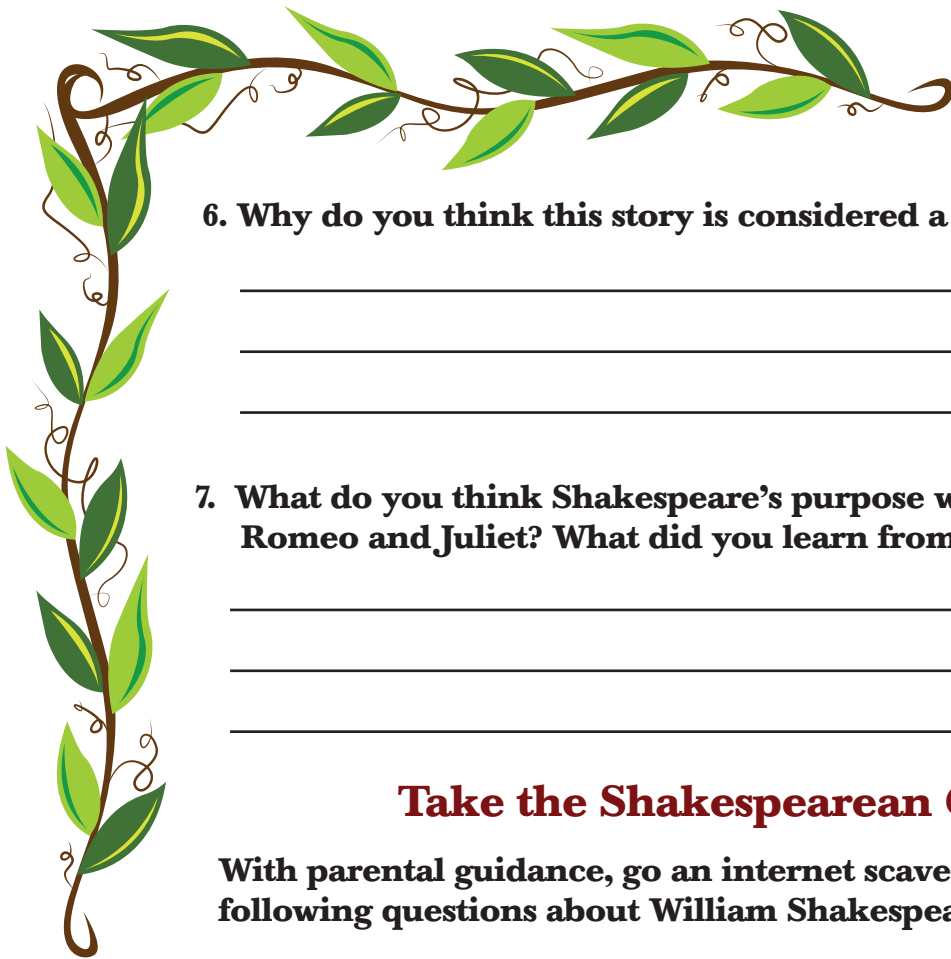
2. What does it mean when the story describes Romeo as “a peaceful sort?” Give an example of how Romeo demonstrates this characterization.

3. Why does Friar Lawrence agree to marry Romeo and Juliet in secret?

4. How and why does Juliet find herself asleep in her family’s tomb?

5. What makes this story not simply sad, but tragic? Explain.





6. Why do you think this story is considered a romantic love story?

7. What do you think Shakespeare's purpose was in writing the story of Romeo and Juliet? What did you learn from their story?

Take the Shakespearean Challenge!

With parental guidance, go an internet scavenger hunt and answer the following questions about William Shakespeare and his life. Good luck!

1. How old was William Shakespeare when he married Anne Hathaway?

2. How many children did William have? _____

3. During his lifetime, how many plays and sonnets did Shakespeare write?

plays _____ sonnets _____

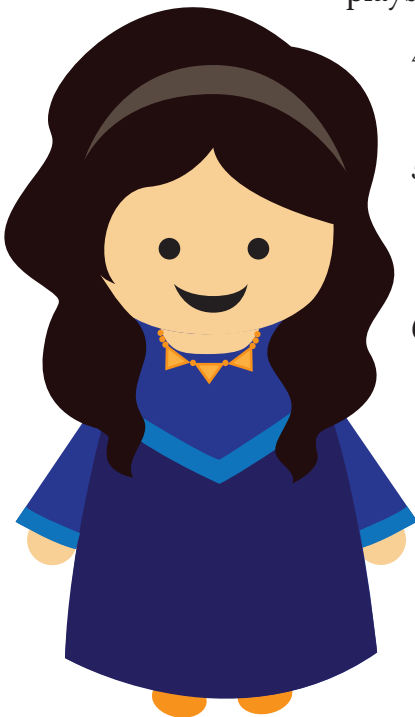
4. What was the name of Shakespeare's first play?

5. Which play does the quote, "A pair of star-cross'd lovers take their life," come from?

6. In which play was it asked, "What angel wakes me from my flowery bed?"

7. Which play was influenced by the Gunpowder Plot of 1605?

8. How old was Shakespeare when he died? _____





Cross-Cultural Connection



Find out how people from different cultures celebrate Valentine's Day. Look for similarities and differences in the way you celebrate. Use the questions below to interview someone you know from another culture.

1. Are there any special foods that people from your culture typically eat on Valentine's Day?

2. Do people wear any special clothing or colors to represent this holiday?

3. Do children and adults both participate in recognizing this holiday?

4. How do people in your culture differ in how they recognize Valentine's Day?

5. Is there anything you don't like about this holiday? If so, why don't you like it?

6. Is there anything that you enjoy about this holiday? If so, what is it?

7. Do people give gifts to each other on this holiday? If so, what is a typical gift?

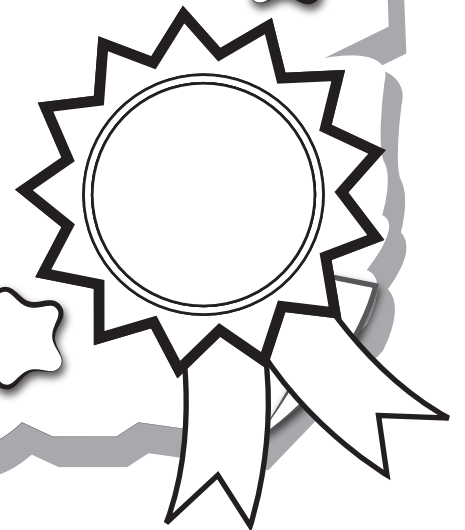
When you are done, describe at least one difference and one similarity between how you and your interviewee celebrate Valentine's Day in your cultures.

VALENTINE'S DAY MATH

1. There are 90 fourth graders and 100 fifth graders. If $\frac{2}{3}$ of the fourth graders and $\frac{3}{4}$ of the fifth graders attended the Valentine's Day play, how many students attended in all?
2. Susie bought a box of 15 Valentine's Day cards for \$2.59. She put a \$0.33 stamp on each one before mailing them. What was Susie's total cost?
3. The fourth grade class at Hart School is having a Valentine's day party. Each student will receive an 8-oz. cup of juice. If there are 48 students in the fourth grade class, how many 64-oz bottles of juice will they need to purchase for the party?
4. Marco has baked and frosted 4 dozen heart-shaped sugar cookies to bring to his class party. He wants to put 3 gumdrops on each cookie. He has 4 bags of 40 gumdrops. Does he have enough gumdrops to put 3 on each cookie? Explain.
5. Mrs. Davis, the fourth grade teacher, wants to dress up for Valentine's Day. She has a red blouse and a white blouse. She has a pink skirt, a black skirt, and a red skirt. How many blouse-skirt combinations can she make?
6. You want to buy your mom a dozen red roses for Valentine's Day. A dozen roses costs \$44.99 at the florist. The supermarket sells a dozen roses for \$23.99. How much money will you save if you buy your roses at the supermarket instead of at the florist?

Great job!

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Answer Sheets

Valentine's Day Busy Book

Be My Valentine
Will the Real Saint Valentine Please Stand Up?
My Secret Valentine Message
How Your Heart Works
William Shakespeare: Romeo and Juliet
Valentine's Day Math

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<http://www.education.com/education-plus/>

Answer Sheet

"Be My Valentine"

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

ADMIRER
ARROW
BEAUTIFUL
CARDS
CARING
CHOCOLATES

CUPID
FEBRUARY
FRIENDSHIP
HEART
HONEY
LACE

LOVE
PINK
POETRY
RED
RIBBONS
ROMANTIC

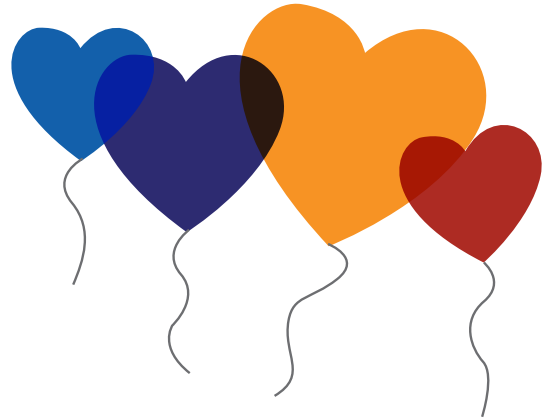
ROSES
SWEETHEART
TREAT
VALENTINE
SAINT



Answer Sheet



**WILL THE REAL
SAINT VALENTINE
PLEASE STAND UP?**



FILL IN THE BLANKS WITH THE WORDS FROM PAGE 2 TO LEARN MORE ABOUT ST. VALENTINE.

Every February 14th, Valentine's Day is celebrated in various ways around the world. Some people celebrate by giving flowers, candy and cards to those they love. People celebrate love in honor of Saint Valentine, but... who WAS Saint Valentine, anyway?

One legend says that Valentine was a priest who served in Rome during the third century. At that time, Emperor Claudius II ruled over Rome. Emperor Claudius II believed that single men made better soldiers than married men. In the hopes of creating a stronger military for his empire, he decided to enact a law that prohibited marriage for young men. According to the legend, Valentine decided this decree was unjust, and he chose to officiate secret wedding ceremonies for young couples. Emperor Claudius II discovered Valentine's illegal acts and condemned him to death!

Another legend claims that Valentine was a prisoner who fell in love with his jailor's daughter. Before Valentine was put to death, he wrote her a letter and sent the first "valentine" card. He signed the letter "Your Valentine", a closing that we still use on Valentine's Day cards today.

Perhaps we will never know who the real Saint Valentine was, or the truth behind his story. However, because of his legend, February has been the month to celebrate love for centuries. In fact, the number of cards sold each year for Valentine's Day ranks second only to Christmas.

Another Valentine's Day figure you may know is Cupid. The word "Cupid" comes from the Latin word "cupido", which translates to "desire." If you have ever studied Roman mythology, you'll know that Venus was the goddess of love. Cupid was her son. In Greek mythology, Cupid is known as Eros (which sounds like "arrows"). Cupid was known as a mischievous character that often went around striking gods and humans with arrows from his bow, making them fall in love. Today, we consider a picture of a heart with an arrow through it as a symbol of love, or falling in love.



Answer Sheet

My Secret Valentine Message

Use the alphabet code to solve your secret Valentine's Day message.

A = 1	G = 7	M = 13	S = 19	Y = 25
B = 2	H = 8	N = 14	T = 20	Z = 26
C = 3	I = 9	O = 15	U = 21	
D = 4	J = 10	P = 16	V = 22	
E = 5	K = 11	Q = 17	W = 23	
F = 6	L = 12	R = 18	X = 24	



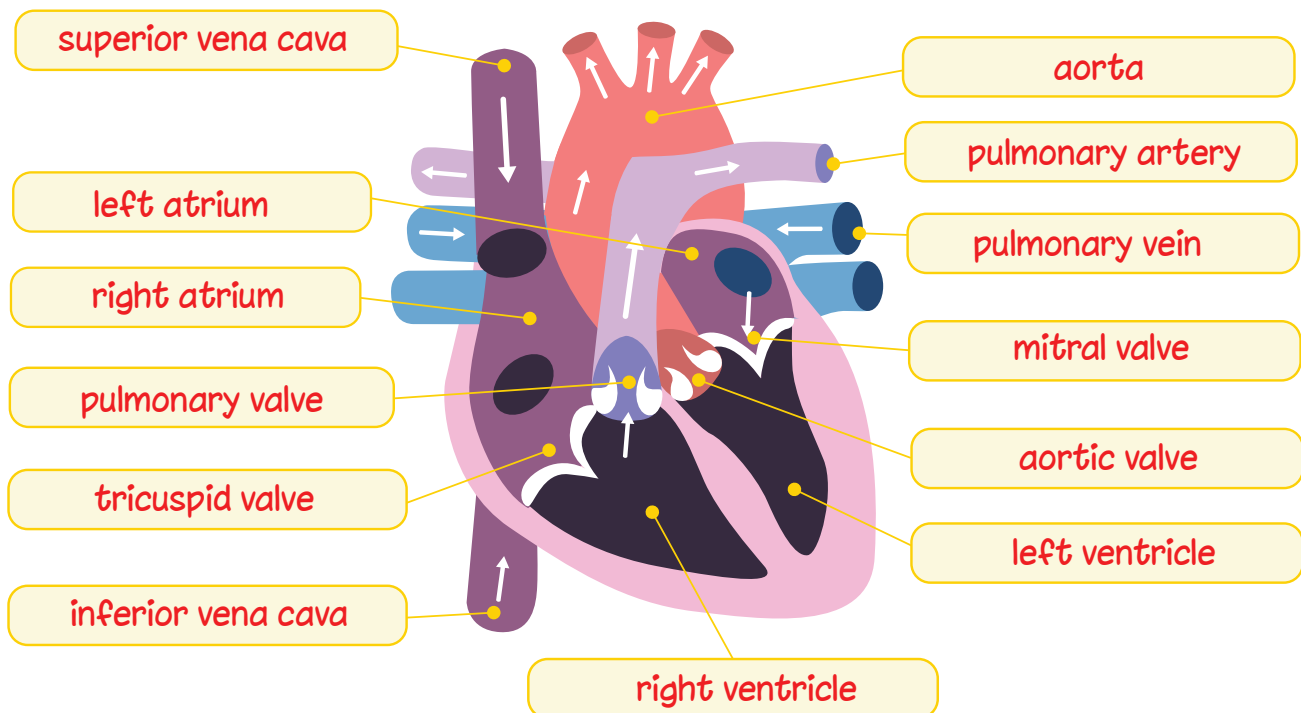
Answer Sheet

CONNECT TO SCIENCE

How Your Heart Works

The heart is a muscular organ that pumps blood through the body. It is about the same size as your fist. Oxygen-poor blood enters the **right atrium** of the heart. Veins called the **inferior vena cava** and the **superior vena cava** carry the blood to the right atrium. The blood is then pumped into the **right ventricle**, and then on through the **pulmonary artery** to the lungs. In the lungs, the blood loses carbon dioxide and is enriched with oxygen. The now oxygen-rich (“oxygenated”) blood is then pumped back to the **left atrium** of the heart through the **pulmonary vein**. The blood then moves to the **left ventricle**, then through the **aorta**, and out to the rest of the body. This cycle is then repeated. Your heart pumps about 2,000 gallons (7,600 liters) of blood every day, and beats about 100,000 times per day.

Use the Heart Glossary on the next page to help you label the parts of your heart. Keep your heart healthy by getting at least 20 minutes of physical activity per day. Remember: Your heart is a muscle. Keep it strong, and it will keep you strong!



Answer Sheet



6. Why do you think this story is considered a romantic love story?

7. What do you think Shakespeare's purpose was in writing the story of Romeo and Juliet? What did you learn from their story?

Take the Shakespearean Challenge!

With parental guidance, go an internet scavenger hunt and answer the following questions about William Shakespeare and his life. Good luck!

1. How old was William Shakespeare when he married Anne Hathaway?

He was 18 years old when he married.

2. How many children did William have? He had 3 children.

3. During his lifetime, how many plays and sonnets did Shakespeare write?

plays 38 sonnets 154

4. What was the name of Shakespeare's first play?

We're not sure which one was his very first... Possibilities include: Henry IV, Titus Andronicus, or The Comedy of Errors.

5. Which play does the quote, "A pair of star-cross'd lovers take their life," come from?

Romeo and Juliet

6. In which play was it asked, "What angel wakes me from my flowery bed?"

A Midsummer Night's Dream

7. Which play was influenced by the Gunpowder Plot of 1605?

Henry IV

8. How old was Shakespeare when he died? He was 51 or 52;

we have no real birth records, but he died very close to his 52nd birthday.



Answer Sheet

VALENTINE'S DAY MATH

1. There are 90 fourth graders and 100 fifth graders. If $\frac{4}{5}$ of the fourth graders and $\frac{3}{4}$ of the fifth graders attended the Valentine's Day play, how many students attended in all?

$$90 \text{ fourth graders} \times \frac{4}{5} = 90 \times 0.8 = 72 \text{ fourth graders}$$
$$100 \text{ fifth graders} \times \frac{3}{4} = 100 \times 0.75 = 75 \text{ fifth graders}$$

2. Susie bought a box of 15 Valentine's Day cards for \$2.59. She put a \$0.33 stamp on each one before mailing them. What was Susie's total cost?

$$15 \text{ cards} \times \$2.59 = \$38.85$$
$$15 \text{ stamps} \times \$0.33 = \$4.95$$
$$\begin{array}{r} \$38.85 \\ + \$4.95 \\ \hline \$43.80 \end{array}$$

3. The fourth grade class at Hart School is having a Valentine's day party. Each student will receive an 8-oz. cup of juice. If there are 48 students in the fourth grade class, how many 64-oz bottles of juice will they need to purchase for the party?

$$48 \text{ students} \times 8 \text{ oz} = 384 \text{ oz total.}$$
$$384 \div 64 = 6 \text{ of the 64-oz bottles of juice.}$$

4. Marco has baked and frosted 4 dozen heart-shaped sugar cookies to bring to his class party. He wants to put 3 gumdrops on each cookie. He has 4 bags of 40 gumdrops. Does he have enough gumdrops to put 3 on each cookie? Explain.

$$4 \text{ dozen cookies} = 48 \text{ cookies}$$
$$4 \text{ bags} \times 40 \text{ gumdrops} = 160 \text{ gumdrops}$$
$$160 \div 3 = 53, \text{ with one remainder.}$$

Yes, he has enough gumdrops to put 3 gumdrops on all 48 of his cookies. He'll have 16 gumdrops left over.

5. Mrs. Davis, the fourth grade teacher, wants to dress up for Valentine's Day. She has a red blouse and a white blouse. She has a pink skirt, a black skirt, and a red skirt. How many blouse-skirt combinations can she make?

$$2 \text{ blouses} \times 3 \text{ skirts} = 6 \text{ total combinations.}$$

red	red	red	white	white	white
pink	black	red	pink	black	red

6. You want to buy your mom a dozen red roses for Valentine's Day. A dozen roses costs \$44.99 at the florist. The supermarket sells a dozen roses for \$23.99. How much money will you save if you buy your roses at the supermarket instead of at the florist?

$$\$44.99 - \$23.99 = \$21 \text{ saved!}$$