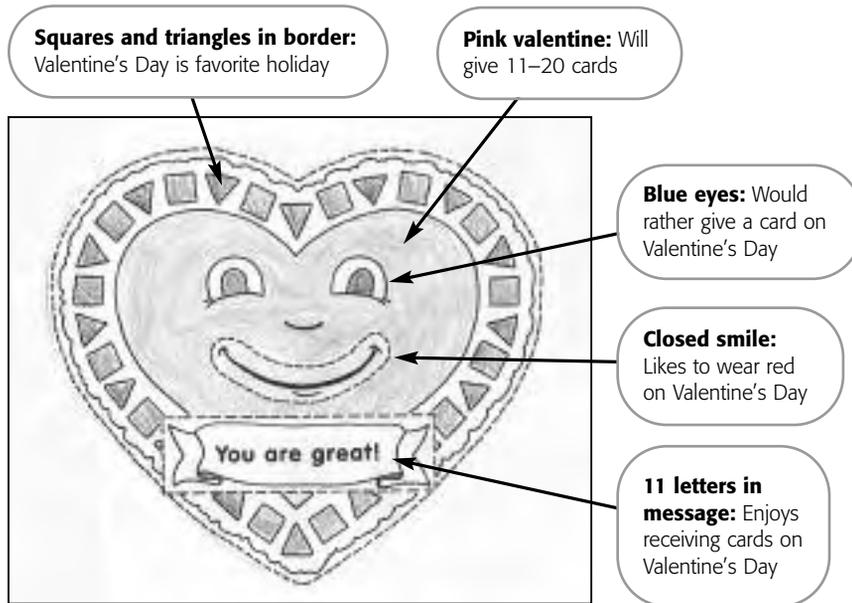


Message From the Heart



Math Skills

- geometry: shapes
- patterns
- estimation
- counting
- greater than, less than, equal to

Creating the Glyph

1. Distribute copies of the valentine glyph patterns and legend to students. Review the legend, one characteristic at a time, as you display a glyph you have completed. Then distribute the other materials, and invite students to use the legend to create their own personal valentine glyph.
2. For question 5, have students glue a message across the bottom of the valentine.

Critical Thinking

Choose one attribute and arrange some of the completed valentine glyphs in an AB/AB pattern. For example, use the eyes and make a blue/brown/blue/brown pattern. Have students look at the glyphs and identify the pattern. Then ask them to select a valentine glyph that would come next to extend the pattern. Repeat the activity using another attribute to create another pattern, such as ABC/ABC.

Materials

- reproducible glyph patterns and legend (pages 3–5)
- completed valentine glyph
- scissors
- glue or paste
- crayons

Explore More

Math Cut out four heart shapes. Draw a circle, square, rectangle, and diamond, each on a separate heart. Then place the hearts in a paper bag, and have students conduct a probability experiment. Before starting, ask students to predict which shape they think will be pulled most often from the bag in 20 turns. Then have volunteers take turns pulling a heart from the bag, recording with tally marks the number of times each shape is pulled in 20 turns. (Return the heart to the bag after each turn.) Then continue the activity for 20 more turns. Did the results change after the last set of turns?

Language Arts Invite students to write a poem, using one or more of the messages on the glyphs. They might write the poem for a friend, family member, or even a pet. Encourage them to illustrate their poems.

Science, Math Have students place their hands on the middle of their chest to feel their heartbeat. Next, tell students that they can also “feel” their heartbeat in other places on their body: the wrist, neck, temple, and ankle. Have them find their pulse in each of these places. Then encourage students to choose one of these pulse points at which to take their pulse rate. Have them record their pulse rates for one minute at rest and again after a few minutes of vigorous exercise, such as running in place or doing jumping jacks. Ask them to compare their pulse rates for the two activities and then compute the difference in the number of heartbeats.



Literature Links

Guess How Much I Love You

by Sam McBratney

(Candlewick Press, 1995).

Little Nutbrown Hare’s love for his father is as long as his arms can reach. His love is as high as the young hare can hop. Each time Little Nutbrown Hare expresses the extent of his love, Big Nutbrown Hare responds as only a loving parent can—with a wider, deeper, and more expansive love than can be measured.

Roses Are Pink, Your Feet Really Stink

by Diane de Groat

(Morrow Junior Books, 1996).

Gilbert finds himself in a dilemma when he anonymously writes not-so-nice valentine poems for two classmates—and gets caught!

Valentine’s Day Is

by Gail Gibbons (Holiday House, 1986).

Colorful ink drawings and short text highlight history and customs related to Valentine’s Day. Instructions for making a valentine card and box are included in the back of the book.

Name _____

Legend

Message From the Heart

1 Is Valentine's Day your favorite holiday?

	yes	no
Border Around Heart	squares and triangles	circles and diamonds

2 How many cards will you give this Valentine's Day?

	10 or fewer cards	11-20 cards	21 or more cards
Color of Valentine	purple	pink	red

3 Which would you rather give to someone on Valentine's Day?

	a card	flowers	something else
Color of Eyes	blue	green	brown

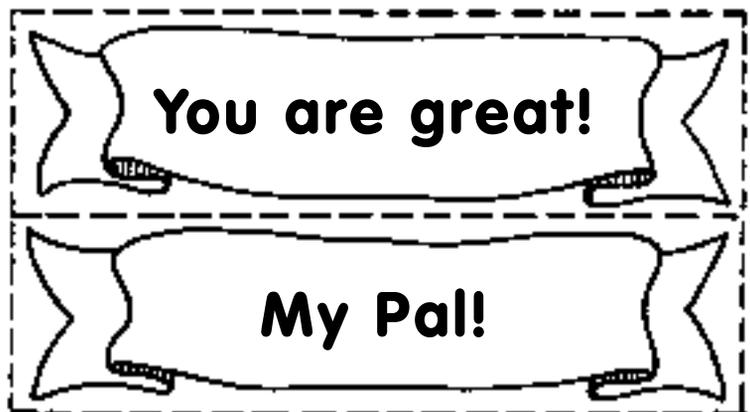
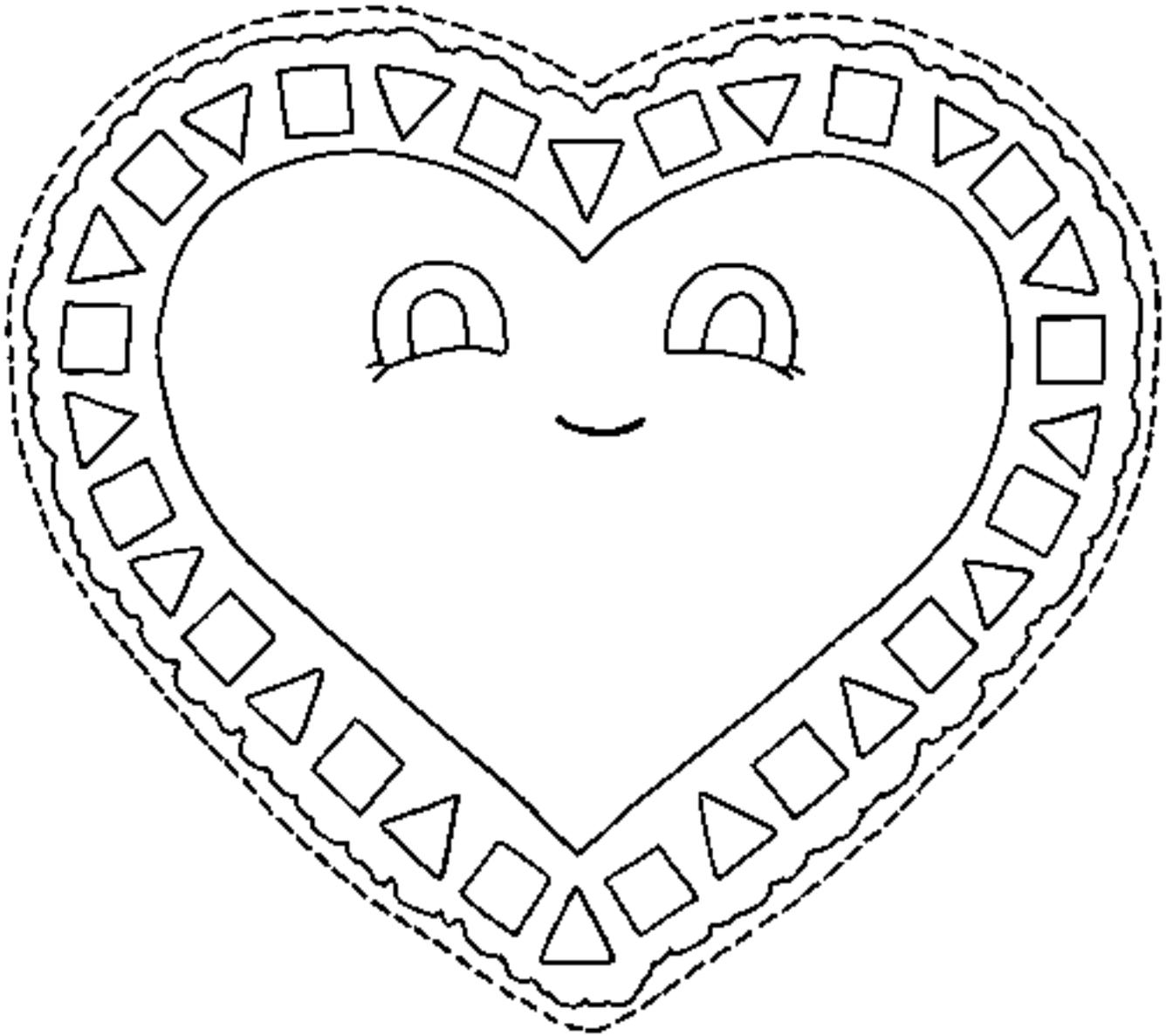
4 Do you like to wear red on Valentine's Day?

	yes	no
Type of Smile	closed mouth	open mouth

5 What do you enjoy most about Valentine's Day?

	making cards	delivering cards	receiving cards	another activity
Number of Letters in Message	exactly 5	more than 5 but fewer than 10	more than 10 but fewer than 15	more than 15

Message From the Heart
Patterns



Message From the Heart
Patterns

