

# Valentine's Day Math

1. Melanie has purchased five special valentines that she wants to give to her close friends and family. The cards cost \$1.25, \$1.75, \$2.00, \$1.65, and \$2.50. She also plans to give away two boxes of candy: one costs \$6.95 and the other costs \$3.50.
  - a. How much money will Melanie spend for Valentine's Day? \_\_\_\_\_
  - b. Melanie has \$25.00 in her piggy bank at home and \$100.00 in the bank. Will she need to take some money out of the bank? If so, how much? \_\_\_\_\_
  - c. If Melanie doesn't need to remove money from her bank account, how much money will she have left in her piggy bank? \_\_\_\_\_
  - d. How much money will Melanie have left after Valentine's Day? \_\_\_\_\_

2. There are 30 students in Mrs. Miller's sixth-grade class. There are 10 girls. Each child puts his/her name on a slip of paper and puts it in a Valentine's box. Two names will be drawn from the box and each child will receive a box of candy.
  - a. What is the probability that a boy's name will be drawn from the box first? (Give a fraction, a ratio, and a percentage.) \_\_\_\_\_
  - b. Assuming that the first name selected is the most probable sex, what is the probability that a girl's name will be selected the second time? (Give a fraction, a ratio, and a percentage.)  
\_\_\_\_\_

3. Philip has a limited supply of red construction paper at home, and he is supposed to cover a shoebox (including the top) and have a one-inch overlap inside the top and bottom of the box. The shoebox is six inches wide, 12 inches long, and 4 inches high. The top is half an inch high.
  - a. How much paper (in square inches) will it take to cover the box (outer surfaces and overlap area)? \_\_\_\_\_
  - b. Philip has 4 sheets ( $8\frac{1}{2}$ " x 11") of red construction paper. Does he have enough to cover the box? \_\_\_\_\_
  - c. If so, how much extra paper does he have? \_\_\_\_\_
  - d. If not, how much more paper does he need? \_\_\_\_\_

# Valentine's Day Activities

## Hink Pinks

Hink Pinks are pairs of rhyming words. Next to the clues below, the number of syllables in each word in the answer is shown in parentheses. The first one is done for you.

1. vital-organ store (1, 1) heart mart
2. blemished valentine (1, 1) \_\_\_\_\_
3. fine sweets (2, 2) \_\_\_\_\_
4. dumb matchmaker (2, 2) \_\_\_\_\_
5. hilarious sweetheart (2, 2) \_\_\_\_\_
6. romantic-music procession (3, 2) \_\_\_\_\_



## “Valentine” Words

Use the letters in the word “Valentine” to make words consisting of two or more letters each. Place the words in the appropriate columns. Then add your total scores. (You may use the letters only as often as they appear in the word “Valentine.” For example, *a* may be used only once in each word.) Do not use abbreviations or proper nouns.

2 letters (1 point)	3 letters (2 points)	4 letters (3 points)	5+ letters (4 points)

# Answer Key *(cont.)*

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- |                 |                    |
|-----------------|--------------------|
| 1. Rome, Italy  | 11. Australia      |
| 2. Suez         | 12. Perth          |
| 3. Red Sea      | 13. northeast      |
| 4. Abidjan      | 14. 6 time zones   |
| 5. Madagascar   | 15. Rocky          |
| 6. South Korea  | 16. Ottawa         |
| 7. 10:00 p.m.   | 17. Bogota         |
| 8. India        | 18. Andes          |
| 9. Himalaya     | 19. Rio de Janeiro |
| 10. 3° N 103° E |                    |

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John—Jennifer, candy; Sean—Cathy, funny valentine; Chris—Erin, romantic valentine; Steve—Monica, spider; Jason—Lisa, sticker

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England—Valentine Buns; Denmark—gækkebrevs; Italy—Valentine Feast; Canada—Valentine Cards

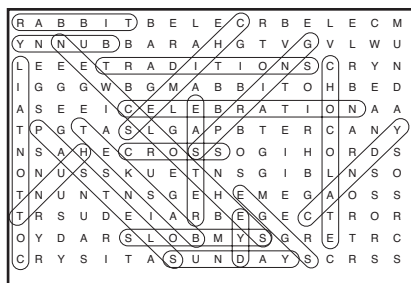
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1st—Ben and Jennifer; 2nd—Ted and Kelly; 3rd—Shawn and Heather; 4th—Jason and Julie; 5th—John and Angie

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- |                        |                       |
|------------------------|-----------------------|
| 1. a. \$19.60          | b. no                 |
| c. yes—\$5.40          | d. \$105.40           |
| 2. a. 2/3; 2:1; 67%    |                       |
| b. 10/29; 10:19; 34.5% |                       |
| 3. a. 396 sq. inches   | c. no answer required |
| b. no                  | d. 22 square inches   |

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**Message:** Boys and girls enjoy sharing cards and candy with their friends and family on Valentine’s Day.

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**Hink Pinks**

- heart mart
- marred (or scarred) card
- dandy candy
- stupid Cupid
- funny honey
- serenade parade

**“Valentine” Words**

Accept reasonable answers. Possibilities include the following:

**2-letter words:** an, at, in, it

**3-letter words:** ail, ale, ant, eat, eel, eve, inn, lea, let, lit, net, nit, tan, tea, tee, tie, tin, van, vat, vie, etc.

**4-letter words:** late, lent, lint, live, neat, tail, tale, teal, tine, vale, veal, vent, vile, vine, etc.

**5-letter words:** alien, alive, entail, invent, linen, liven, valet, vital, etc.

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*clockwise:* Velveteen Rabbit, bucked teeth; Funny Bunny, lazy; Peter Rabbit, carrot muncher; Cottontail, superwhiz; Mopsy, busy; Flopsy, droopy ears

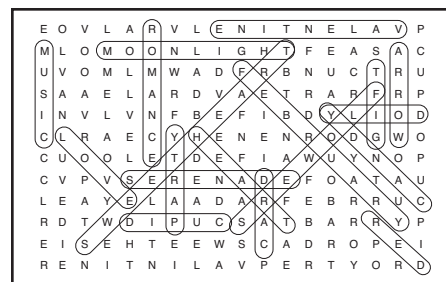
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England—Easter, clipped church; France—Paques, chimes; Italy—Pasqua, Easter cakes; Spain—Pascua, dances

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Greeks—cross; Northern and Central Europeans—bonfires; Persians—eggs; Egyptians—rabbits

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**Message:** Children enjoy egg hunts and the surprises they find in their baskets on Easter morning.