

# 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?

$$1 \text{ box of cards} = \$2.59$$

$$15 \text{ stamps} \times \$0.33 = \$4.95$$

$$\begin{array}{r} \$2.59 \\ + \$4.95 \\ \hline \$7.54 \end{array}$$

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?

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