

**Name** \_\_\_\_\_

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Plans must be submitted no later than May 31. Projects must be completed by September 1. For more information, call Julia Happyhands, 214-555-5432. Send letters to:

Clean Up Pleasanton  
1234 Good Street  
Pleasanton, Texas 75432

The adult sponsors will be notified if the group is chosen. Projects will be judged when they are completed. Winners will also be honored at the Pleasanton Fall Festival in October. Winning groups will ride on floats in the Fall Festival Parade.

1 Groups who wish to enter the contest should first —

- A get the money to pay for their project
- B start working on their project
- C write a letter to the council
- D call Ms. Happyhands

2 Projects that will be considered for prizes must —

- A be entered by young people's organizations
- B help needy people find new homes and jobs
- C include planting flowers or trees
- D focus on creating more jobs in the town

3 The clean-up contest announcement might be posted in all of these places *except* a —

- A local newspaper
- B message board at Pleasanton City Hall
- C bulletin boards at local shopping malls
- D newspaper ad in a city 100 miles away

4 These directions were written in order to —

- A tell how to do a good deed
- B offer money for making Pleasanton more beautiful
- C get people to ride on floats in the parade
- D present guidelines for entering the contest

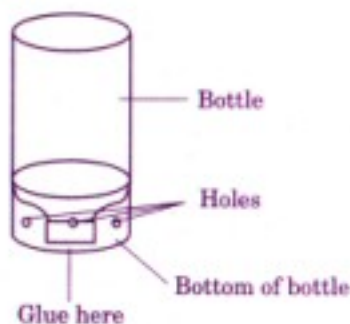
## Feeding Hummingbirds

Hummingbirds are the smallest variety of birds in the United States. Most people are fascinated by them because they fly so fast and seem to hover in midair. These colorful birds are found in much of the country, as well as Canada. They fly thousands of miles—and even fly across the Gulf of Mexico—to spend the winter in Central America, where it is warm. In the spring, they migrate north to lay their eggs. Hummers need a great deal of food because they use so much energy flying. They must eat twice their body weight in food each day. They prefer the sweet nectar from flowers, but also will eat tiny insects.

Some hummingbirds might fly through your area on their migration, or they might build their nests there. You can help them by providing food. Some people buy feeders and powdered mixes for hummingbirds, but you can easily make your own hummingbird feeder and fill it with sugar water.

You will need these things:

- 2 plastic soda bottles, empty and clean
- red paint, such as fingernail polish
- hot glue gun and glue sticks
- sugar
- water
- string or wire
- a hole punch



Cut off the bottom of one soda bottle to make a "bowl." Punch several holes in the bowl, about halfway up the side. Paint a red flower design around each hole. Using hot glue, fasten the cap of the second bottle to the bottom of the bowl. Glue a string or wire to the bottom of the uncut bottle to make a hanger.

Mix  $\frac{1}{2}$  cup sugar and 1 quart water. Stir well. Hummingbirds will eat plain sugar water once they have found your feeder, but having the color red for the feeder seems to attract them. Put the sugar water into the soda bottle. Put the cap on loosely, and turn the feeder upside down to let the water slowly trickle into the bowl. You may have to adjust the tightness or looseness of the cap to be sure some water drips out but the bowl doesn't overflow. Hang your feeder near flowers, if possible. It may take several days before the birds find the feeder. Be patient. Be sure to change the sugar water after two or three days. Hummingbirds need fresh food.



- 12 What is the value of the 9 in 10.97?

A 9 ones  
B 9 hundredths  
C 9 tenths  
D 9 thousandths

- 13 Which number sentence belongs to the same family of facts as the problem shown below?

$$4 \times 8 = \square$$

A  $8 \div 4 = \square$   
B  $\square + 8 = 4$   
C  $\square - 4 = 8$   
D  $\square \div 4 = 8$

- 14 Which expression is equivalent to  $7 \times r \times 10$ ?

A  $10 + r + 7$   
B  $10 \times 7 \times r$   
C  $(r \times 10) + (r \times 7)$   
D  $(7 \times r) \div 10$

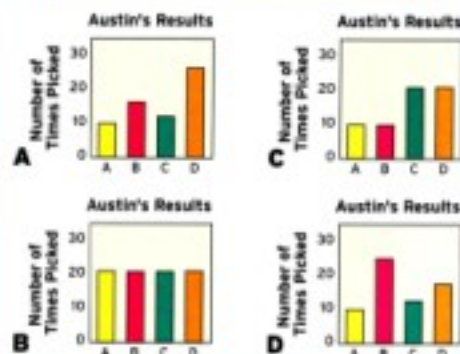
- 15 Ryan works at a store that sells hammocks for \$120 each. A customer wants to order 3 hammocks. Which expression could Ryan use to find  $c$ , the cost of 3 hammocks?

A  $\$120 \div 3 = c$   
B  $c + \$120 = 3$   
C  $3 \times \$120 = c$   
D  $c - 3 = \$120$

- 16 Austin picked a block out of this jar without looking.



She recorded the block's letter and returned it to the jar. Austin repeated this many times. Then she made a graph showing her results. Which graph is *most* likely the one Austin made?





# Unit 4

# Mathematics Procedures

## Lesson 4b Procedures

**DIRECTIONS** Read each problem, then choose the answer you think is best. Mark the space for your answer. If the correct answer is *not here*, mark NH.

### SAMPLE A

$$\$3.28 - 1.59 = \square$$

\$1.58    \$1.68    \$2.69    \$5.87    NH

**A**      **B**      **C**      **D**      **E**

### SAMPLE B

There are 6 rolls in a package of rolls. Each roll weighs 0.3 of a pound. How much does a package of rolls weigh?

- |                     |                     |
|---------------------|---------------------|
| <b>A</b> 1.4 pounds | <b>D</b> 4.6 pounds |
| <b>B</b> 1.6 pounds | <b>E</b> 6.4 pounds |
| <b>C</b> 1.8 pounds |                     |



Pay extra attention to problems involving fractions and decimals.

**1**

$$\$7.14 + 8.07 = \square$$

\$1.07    \$15.21    \$15.31    \$16.21    NH

**A**      **B**      **C**      **D**      **E**

**2**

$$5\frac{1}{3} + 1\frac{1}{3} = \square$$

$6\frac{2}{3}$     7     $7\frac{1}{9}$      $7\frac{2}{3}$      $7\frac{5}{6}$   
**A**      **B**      **C**      **D**      **E**

**3**

$$\frac{1}{2} - \frac{1}{6} = \square$$

$\frac{1}{6}$      $\frac{1}{3}$      $\frac{7}{12}$      $\frac{2}{3}$      $\frac{5}{6}$   
**A**      **B**      **C**      **D**      **E**

**4**

$$\frac{2}{5} \times \frac{10}{11} = \square$$

$\frac{1}{5}$      $\frac{4}{11}$      $\frac{3}{4}$      $1\frac{1}{11}$      $1\frac{10}{11}$   
**A**      **B**      **C**      **D**      **E**

**GO**

## Giant Redwoods

The giant redwood is the biggest living thing in the world. The tallest one is over 360 feet tall. That's as tall as 50 basketball players standing on each other's shoulders! That same tree is as heavy as 360 elephants. The biggest redwood tree is over a thousand years old. It still isn't the oldest tree on Earth.

- 7 The biggest redwood tree is over a thousand years old. It still isn't the oldest tree on Earth.

How could these two sentences *best* be combined?

- A The biggest redwood tree is over 1000 years old, it still isn't the oldest tree on Earth.
- B The biggest redwood tree, over 1000 years old, not the oldest tree on Earth.
- C The biggest redwood tree is over 1000 years old not the oldest tree on Earth.
- D The biggest redwood tree is over 1000 years old, but it still isn't the oldest tree on Earth.

- 8 Which of these would go *best* after the last sentence in this paragraph?

- A Redwood trees are good for planting around your home.
- B A thousand years ago no one lived near the famous redwood trees.
- C The oldest tree is a kind of pine that is almost 5000 years old.
- D Redwoods have very tiny cones and really thick bark.

