

Name _____

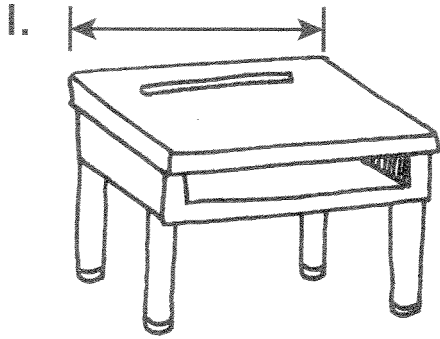
Hands Up!

E 9-1
VISUAL THINKING

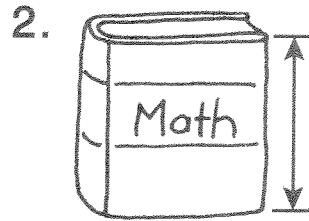
You can use your hand to measure.



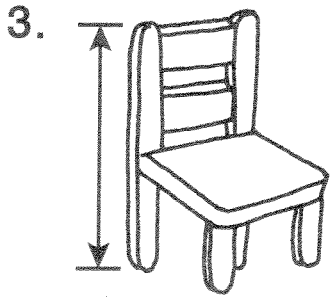
Use your hand to measure the objects below.



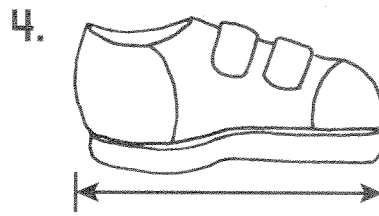
about _____ hands long



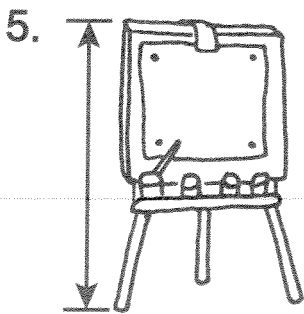
about _____ hands long



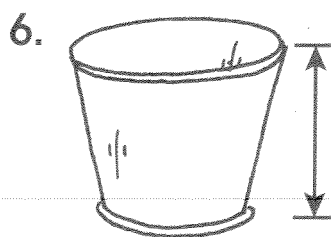
about _____ hands tall



about _____ hands long



about _____ hands tall



about _____ hands tall

Name _____

What's the Measure?

E 9-3
DECISION MAKING

Find three objects and measure their length or height.

Draw a picture or write the name of each object.

Then measure one using inches, one using feet, and one using yards.

1.

about _____ inches

2.

about _____ feet

3.

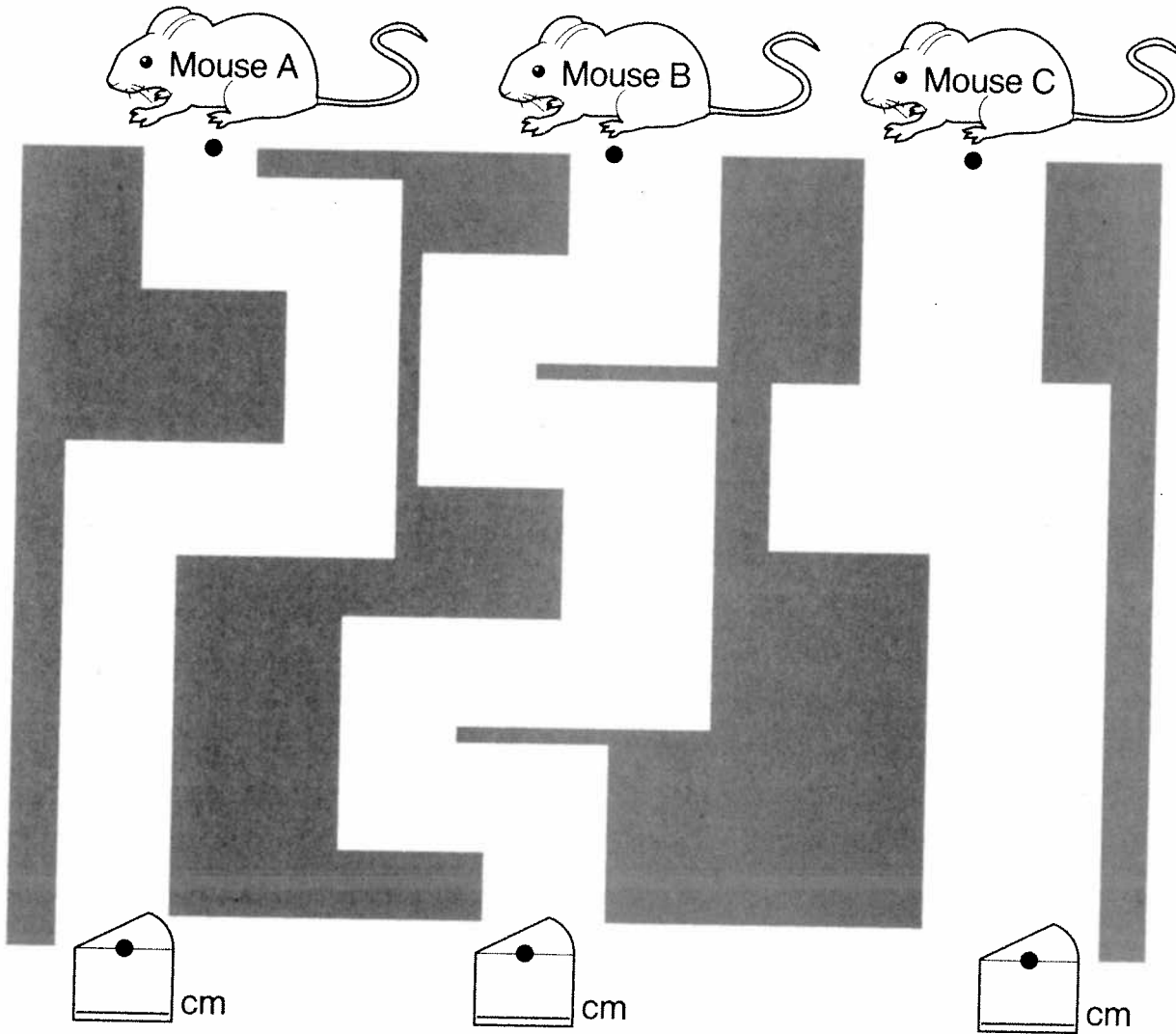
about _____ yards

Name _____

Race to the Cheese

E 9-4
VISUAL THINKING

Help the mice get to the cheese. Use a centimeter ruler to draw straight lines through each maze. Record the lengths. Then answer the questions.



1. Which mouse had the longest path to the cheese?

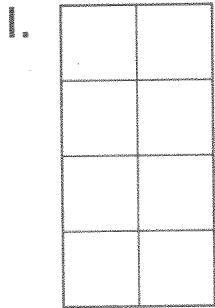
2. Which mouse had the shortest path to the cheese?

Name _____

In and Around the Shapes

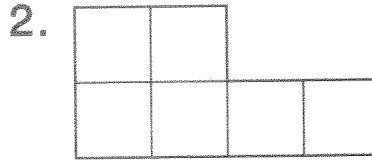
E 9-5
VISUAL THINKING

Find the perimeter and area of each shape.



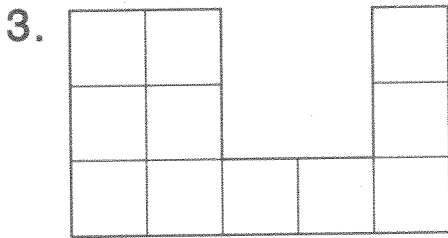
Perimeter: _____ cm

Area: _____ square units



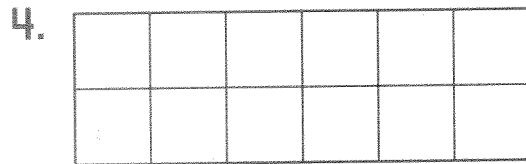
Perimeter: _____ cm

Area: _____ square units



Perimeter: _____ cm

Area: _____ square units



Perimeter: _____ cm

Area: _____ square units

5. Color the shape with the longest perimeter red.

6. Color the shape with the smallest area blue.

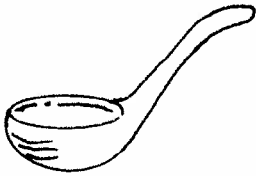
Name _____

Double Measures

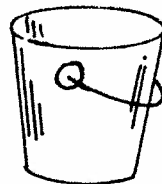
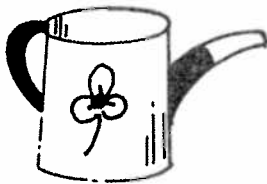
E 9-6
VISUAL THINKING

Circle the two containers that hold about the same amount.

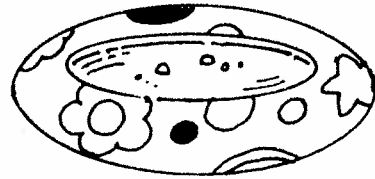
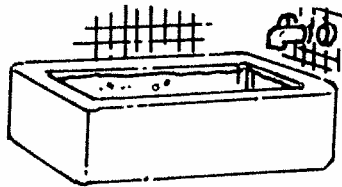
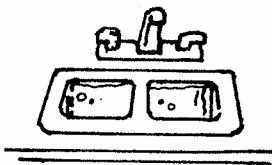
1.



2.



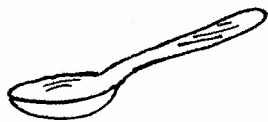
3.



4.



5.



Name _____

Cooking with Cups





E 9-7
NUMBER SENSE

2 cups = 1 pint




4 cups = 2 pints = 1 quart

Use the table above to rewrite the recipes.

1. Rewrite the recipe using only cups.

<p>Berry Smoothie</p> <p>1 quart cranberry juice </p> <p>1 pint vanilla yogurt </p> <p>2 quarts raspberry juice </p> <p>2 pints strawberry yogurt </p>	<p>_____ cups cranberry juice</p> <p>_____ cups vanilla yogurt</p> <p>_____ cups raspberry juice</p> <p>_____ cups strawberry yogurt</p>
---	--

2. Rewrite the recipe using only pints.

<p>Chicken Soup</p> <p>2 quarts of water </p> <p>1 quart chicken broth </p> <p>2 cups of stewed carrots </p>	<p>_____ pints water</p> <p>_____ pints chicken broth</p> <p>_____ pint of stewed carrots</p>
---	---

Name _____

How Much Do You Use?

E 9-8
REASONABLENESS

Circle the most reasonable answer.

1. Liza makes a pitcher of lemonade for her family. Does she use more or less than one liter of water?

more than one liter

less than one liter

2. Maria makes a cup of tea for her friend. Does she use more or less than one liter of water?

more than one liter

less than one liter

3. Edmund fills a tub to take a bath. Does he use 40 liters or 4 liters?

40 liters

4 liters

4. Carlos fills a goldfish bowl. Does he use 3 liters or 30 liters?

3 liters

30 liters

5. Ari helps clean the classroom tables. Does he use 1 liter of water or 10 liters of water?

1 liter

10 liters

6. Bonnie fills a washtub to wash her dog. Does she use 5 liters or 25 liters of water?


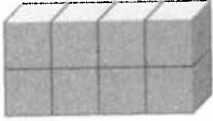
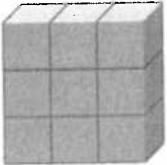
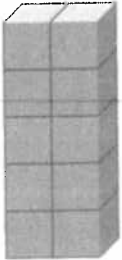
5 liters

25 liters

Name _____

Finding Cubic Units

Use the data in the chart to fill each box with cubes.
Then complete the chart.

	Number of Cubes in Each Row	Number of Rows	Volume
1. 	3	2	
2. 	4	2	
3. 	3	3	
4. 	2	5	

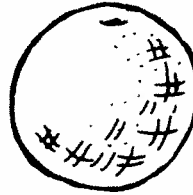
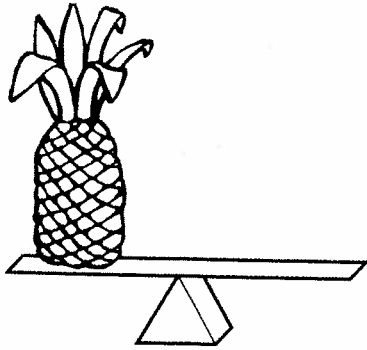
Name _____

A Balancing Act

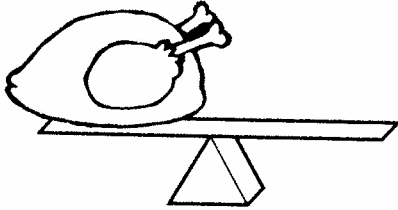
E 9-10
REASONABLENESS

Circle the object that would make the scale balance.

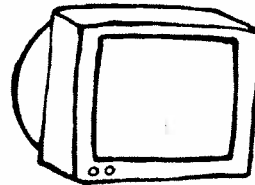
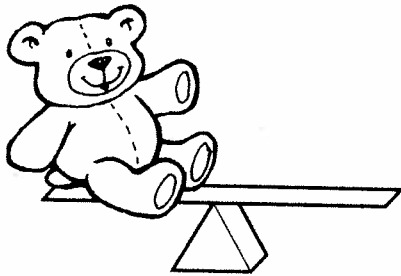
1.



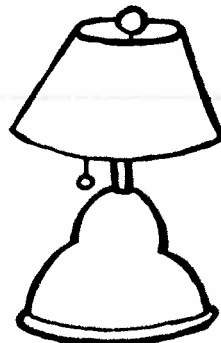
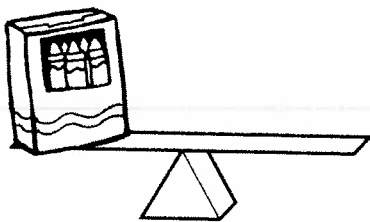
2.



3.



4.



Pounds or Ounces?

Circle the most reasonable answer.

1. Dana makes a peanut butter sandwich. Does she use 1 ounce or 1 pound of peanut butter?

1 ounce

1 pound

2. Enrico makes a glass of fruit drink. Does he use 5 ounces or 5 pounds of fruit for the drink?

5 ounces

5 pounds

3. Eric buys apples to make an apple pie. Does he get 3 ounces or 3 pounds of apples?

3 ounces

3 pounds

4. Steven makes hamburgers for a party. Does each hamburger weigh 4 ounces or 4 pounds?

4 ounces

4 pounds

5. Sonya makes a pizza with cheese. Does she use 10 ounces or 10 pounds of cheese?

10 ounces

10 pounds

6. Megan wants to weigh her baby kitten. Does the kitten weigh 16 ounces or 16 pounds?

16 ounces

16 pounds

Name _____

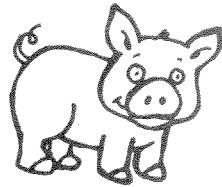
Animal Measures

E 9-12
REASONING

Does each animal measure less than 1 kilogram, about 1 kilogram, or more than 1 kilogram? Write the name of the animal in the chart under its measure. Then think of another animal you can add to each measure.



frog



pig



turtle



goldfish



guinea pig



seal



mouse



kitten



wolf

Less than 1 kilogram	About 1 kilogram	More than 1 kilogram
My choice:	My choice:	My choice:

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Name _____

Let's Play Outdoors

E 9-13
REASONING

Draw a picture of the clothes you might wear outdoors for each temperature.

1. 85°F

2. 25°F

3. 25°C

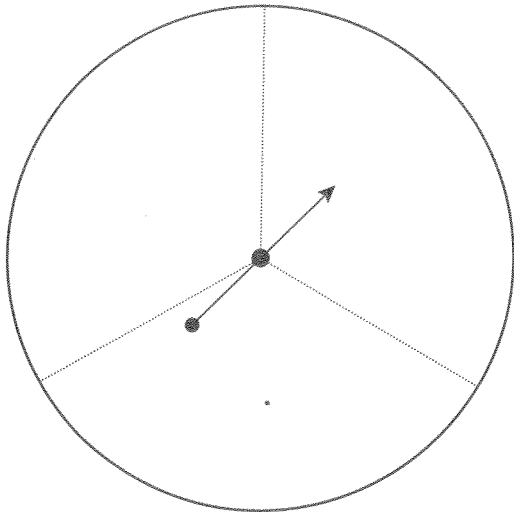
4. 5°C

Name _____

Spinner Fun

E 9-14
DECISION MAKING

Pick 2 colors. Color the spinner. You must use 1 color more than once. Then answer the questions.

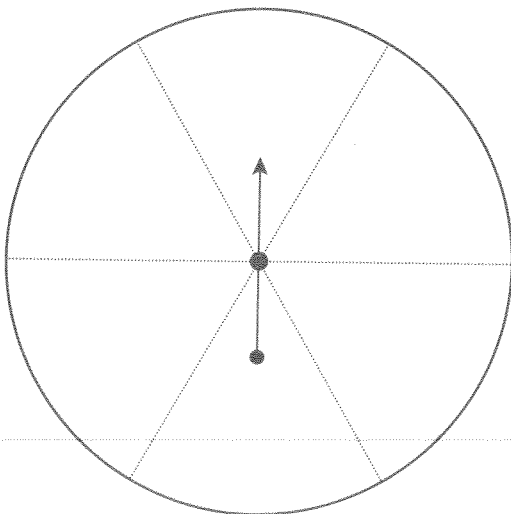


Tell which colors the spinner is least likely and most likely to land on.

1. least likely _____

2. most likely _____

Color 1 section of the spinner yellow. Color 2 sections of the spinner blue. Color 3 sections of the spinner red. Then answer the questions.



Tell which colors the spinner is least likely and most likely to land on.

3. least likely _____

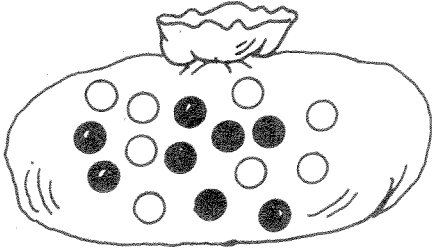
4. most likely _____

Name _____

E 9-15
DATA

Mostly Marbles

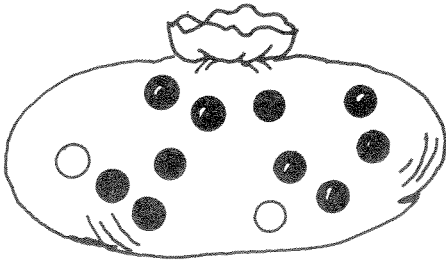
Count the number of marbles in each bag. Use tally marks.
Then circle the missing word to complete the sentence.



White Marbles	Black Marbles

1. You pick 4 marbles out of the bag.
It is _____ that you will
pick a white marble.

impossible possible certain



White Marbles	Black Marbles

2. You pick 10 marbles out of the bag.
It is _____ that you will
pick some black marbles.

impossible possible certain

Try the exercises above using red and blue cubes.
Do your results match? Write about what you found.

Name _____

At the Farm

E 9-16
DATA

Mr. and Mrs. Morley picked their crops. Use the data in the chart to answer each question.

Number of Pounds Picked

Apples	Peaches	Pumpkins	Corn	Squash
35	23	47	25	17

1. Mr. Morley took the apples and the peaches to the fruit stand.

How many pounds of fruit did he take?

_____ pounds

Then he sold 13 pounds of peaches. How many pounds of fruit does he have at the fruit stand now?

_____ pounds

2. Mrs. Morley took the corn and the squash to the vegetable stand.

How many pounds of vegetables did she take?

_____ pounds

Then she took all the pumpkins to the stand. How many pounds of vegetables does she have at the stand now?

_____ pounds

3. Write your own two-step problem. Use the data in the chart.

Name _____

Choose the Unit

E 9-17
REASONABLENESS

Choose the best estimate of measure for each object.

1. Tracy wants to measure a ribbon to use as a necklace.

About 2 centimeters

About 40 centimeters

About 500 centimeters

2. Jerome wants to measure some apples for a pie.

About 3 pounds

About 15 pounds

About 25 pounds

3. Doreen measures fruit juice for her classroom party.

About 1 liter

About 3 liters

About 75 liters

4. Roberto measures some fabric for a tablecloth.

About 2 yards

About 17 yards

About 35 yards

5. Opal measures a board to cut for the roof of a birdhouse.

About 2 inches

About 83 inches

About 8 inches

6. Jamal measures the length of a full basketball court.

About 7 feet

About 18 feet

About 94 feet

