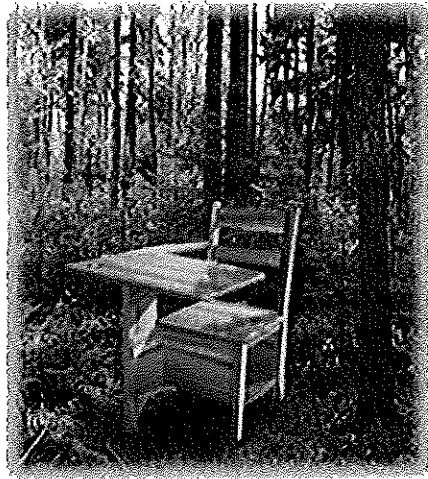


*Grade 3*

## *Summer Activities*

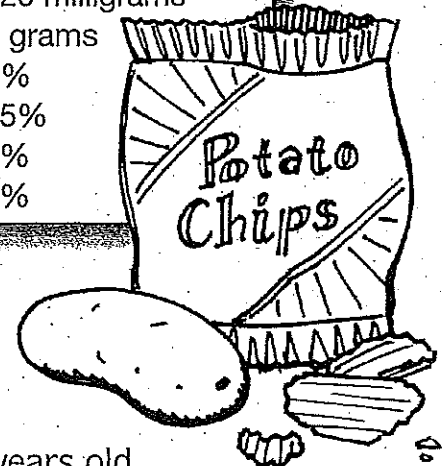


# Good for You?

Foods with too much sugar, fat or salt can make kids gain too much weight. You can read nutrition labels to get the facts about food. Study the labels below. Then use the information on each label to answer the questions.

<b>Potato Chips Nutrition Facts</b>	
Serving Size:	individual-size package
Calories:	230
Total fat:	15 grams
Saturated fat:	2 grams
Sodium (salt):	270 milligrams
Potassium:	490 milligrams
Protein:	3 grams
Vitamin A:	0%
Vitamin C:	15%
Calcium:	0%
Iron:	2%
Ingredients:	potatoes, sunflower oil, corn oil and salt

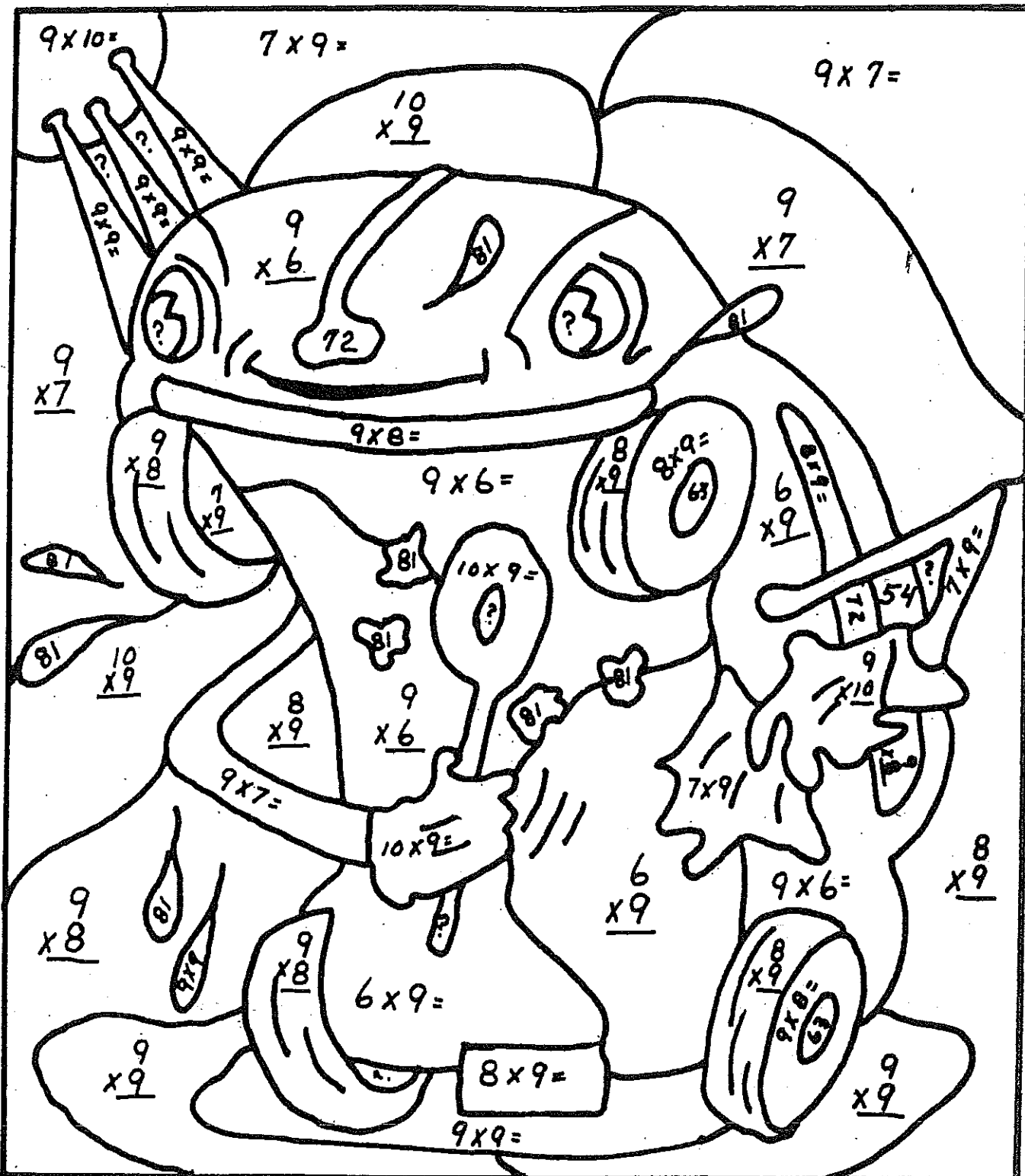
<b>Potato Nutrition Facts</b>	
Serving Size:	medium-size potato
Calories:	110
Total fat:	0 grams
Saturated fat:	0 grams
Sodium (salt):	0 milligrams
Potassium:	620 milligrams
Protein:	3 grams
Vitamin A:	0%
Vitamin C:	45%
Calcium:	2%
Iron:	6%



1. Calories give the body energy. Kids between 7 and 10 years old need about 2,000 calories a day. Eating too many calories a day can lead to weight gain. How many more calories does a bag of potato chips have than a potato?  
\_\_\_\_\_
2. True or false: Potatoes have more sodium, or salt, than potato chips. \_\_\_\_\_
3. Besides potatoes, what ingredients are used to make potato chips? \_\_\_\_\_
4. Potassium helps your muscles move. How many more milligrams of potassium are in a potato than in a bag of potato chips?  
\_\_\_\_\_

**BONUS:** Use information from the food labels to make a poster that tells kids why they should eat more vegetables.

yellow green red blue orange





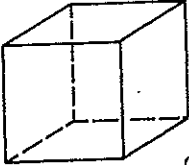
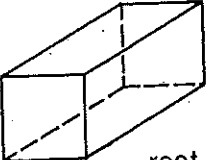
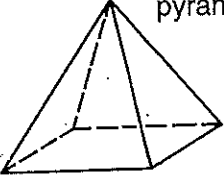
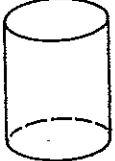




Name \_\_\_\_\_

# Challenge 102

## Count the Faces

Fill in how many of each kind of face.

				
 cube	0	6	0	0
 rect. box				
 pyramid				
 can				
 cone				
 football				

Name \_\_\_\_\_

# Challenge 105

## Dots, Dots, Dots

Multiply. Then connect the dots in order from the least product to the greatest product.

8  
×9

7  
×7

9  
×9

7  
×8

6  
×9

8  
×6

9  
×5

1  
×2

2  
×2

3  
×2

6  
×7

7  
×1

6  
×4

5  
×2

4  
×8

6  
×3

3  
×4

4  
×7

5  
×5

5  
×3

Name \_\_\_\_\_

## Challenge 109

### Factor Hunt

pages 294-295

Find pairs of numbers that have the product



3	8	16	24	6	10	12	23	1	8	4	11	8	5	4	20
7	1	21	9	4	15	2	24	5	6	2	13	6	3	3	2
10	9	24	16	2	22	18	8	14	16	9	6	19	7	1	12
6	17	21	12	5	25	3	27	24	5	12	5	8	4	7	24
7	4	8	3	14	19	1	18	1	17	20	2	30	6	17	1

Find pairs of numbers that have the product



9	15	0	8	6	6	7	2	8	14	11	0	19	5	3	6
32	4	11	3	16	23	19	18	7	26	15	2	18	9	6	5
36	1	13	12	6	7	5	10	4	13	1	36	1	24	17	8
23	18	20	11	36	6	13	15	9	8	24	12	9	4	12	10
2	5	17	1	10	6	16	13	10	3	12	5	16	7	4	3

pages 296-297

Find pairs of numbers that have the product

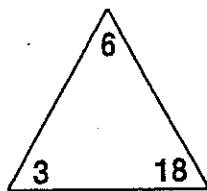


9	22	10	18	8	6	5	10	2	22	26	9	4	3	7	33
9	104	24	22	117	27	25	312	36	28	1	13	14	26	6	4
16	3	6	32	3	17	3	31	15	21	1	29	15	30	234	5
1	33	35	156	19	468	29	3	7	33	37	936	23	14	12	1
17	5	12	6	2	26	9	11	8	16	22	6	4	9	17	15

**Families of Facts**

Use the numbers in the triangle.

Write two multiplication sentences and two division sentences.

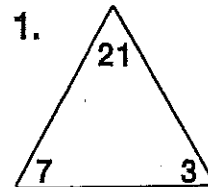


$6 \times 3 = 18$

$3 \times 6 = 18$

$18 \div 3 = 6$

$18 \div 6 = 3$



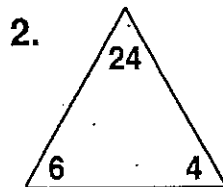
1.

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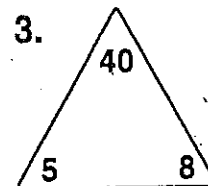
2.

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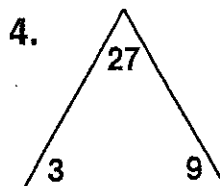
3.

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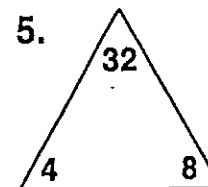
4.

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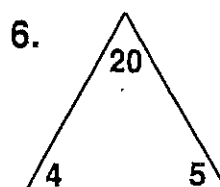
5.

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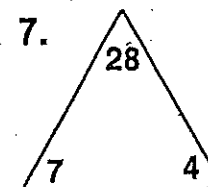
6.

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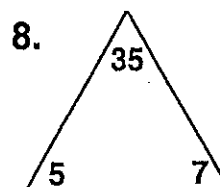
7.

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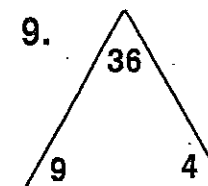
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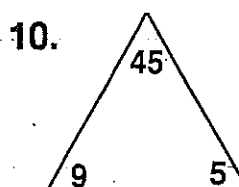
9.

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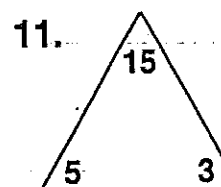
10.

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11.

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**Sums of Quotients****WHAT DOES THE ALLIGATOR EAT?**

An alligator bites off a part of each card. The sum of the four quotients is given. At the bottom, find the fact that the alligator bites off. Write it on the line.

1. Sum: 19

$64 \div 8$
$54 \div 9$
$6 \div 3$

2. Sum: 17

$28 \div 4$
$45 \div 9$
$18 \div 6$

3. Sum: 21

$15 \div 3$
$16 \div 8$
$72 \div 9$

4. Sum: 20

$32 \div 8$
$48 \div 6$
$21 \div 7$

5. Sum: 16

$28 \div 7$
$35 \div 5$
$12 \div 3$

6. Sum: 26

$14 \div 7$
$24 \div 3$
$56 \div 7$

7. Sum: 23

$24 \div 6$
$48 \div 8$
$63 \div 7$

8. Sum: 22

$27 \div 9$
$16 \div 4$
$36 \div 6$

9. Sum: 30

$32 \div 4$
$18 \div 3$
$63 \div 7$



$56 \div 8$

$12 \div 4$

$9 \div 9$

$42 \div 7$

$36 \div 9$

$40 \div 5$

$18 \div 9$

$81 \div 9$

$40 \div 8$



**Connecting Lengths of Chains**

Estimate.

Then measure each chain to the nearest centimeter.

EstimateLength

\_\_\_\_\_

\_\_\_\_\_



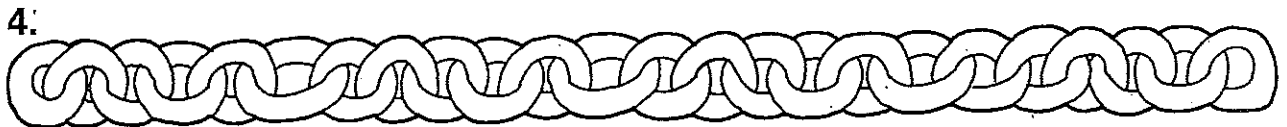
\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_

Use lengths to the nearest centimeter.

Find the total length if you put together chains numbered:

1, 3 and 5. \_\_\_\_\_ cm      4 and 7. \_\_\_\_\_ cm

2, 6 and 7. \_\_\_\_\_ cm      4, 5 and 8. \_\_\_\_\_ cm

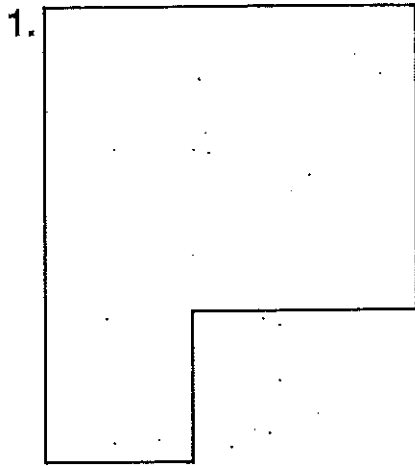
Suppose you want a chain that is 30 centimeters long.

By putting together 2, 3, or 4 chains, this can be done in six different ways. Write the numbers of the chains you could use.

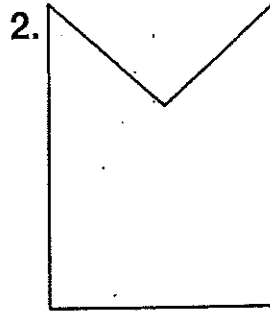
\_\_\_\_\_

## Perimeters of Irregular Figures

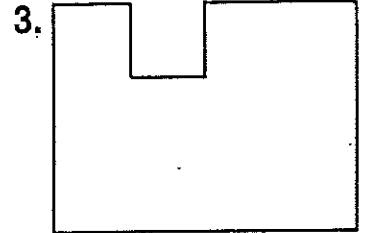
Measure each side to the nearest centimeter. Find the perimeter.



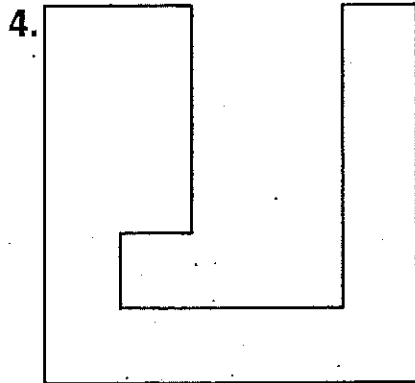
Perimeter = \_\_\_\_\_



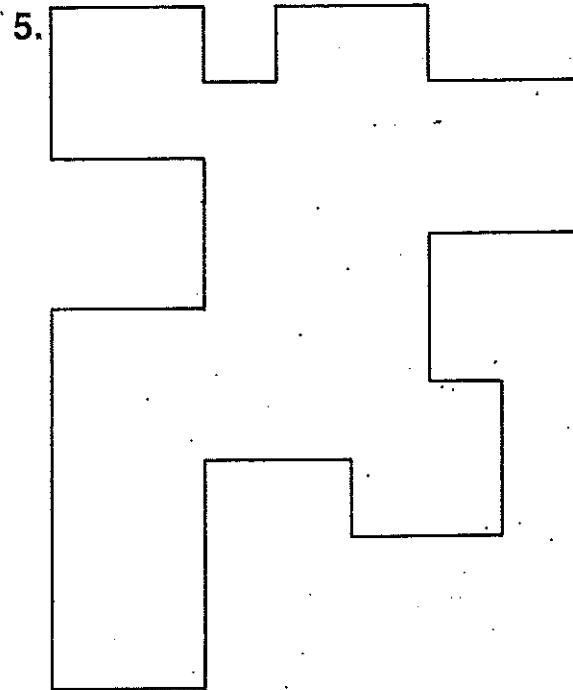
Perimeter = \_\_\_\_\_



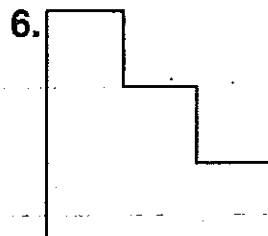
Perimeter = \_\_\_\_\_



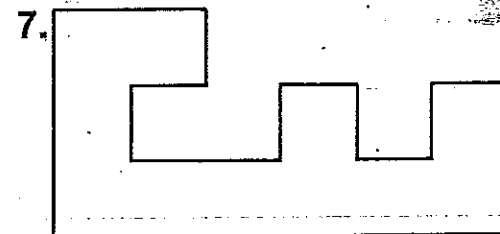
Perimeter = \_\_\_\_\_



Perimeter = \_\_\_\_\_



Perimeter = \_\_\_\_\_



Perimeter = \_\_\_\_\_

## Perimeter and Area

Each figure has an area of 6 square centimeters.  
Find the perimeter. Complete the table.

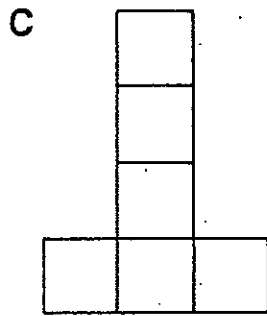
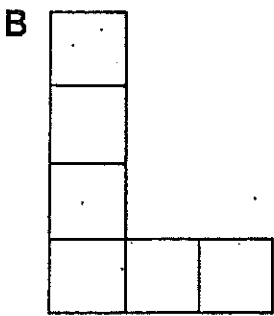
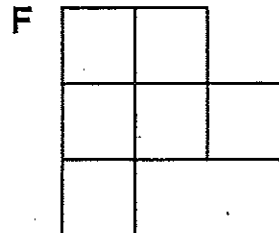
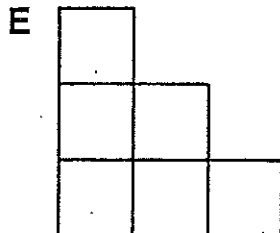
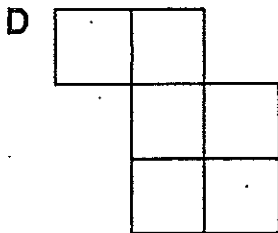


Figure	Perimeter (cm)
A	
B	
C	
D	
E	
F	

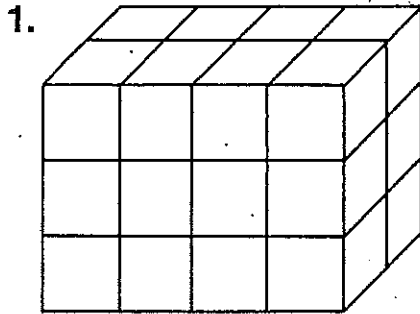


Cut out the six square centimeters below.  
Arrange them to form a figure with a perimeter of 10 centimeters.  
Trace the figure.

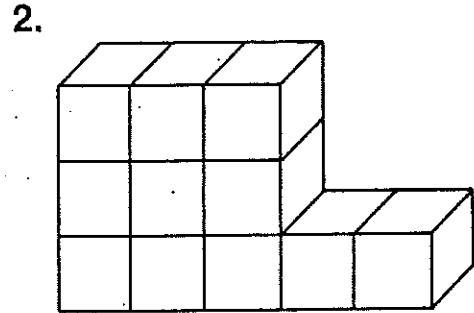


**Cubic Centimeters**

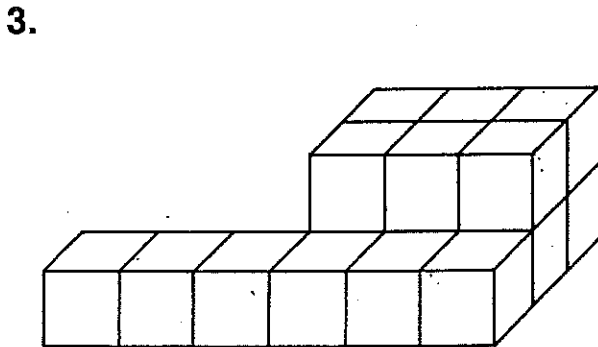
Count to find the volume in cubic centimeters.



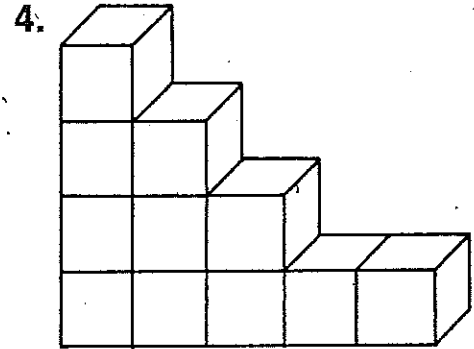
Volume = \_\_\_\_\_



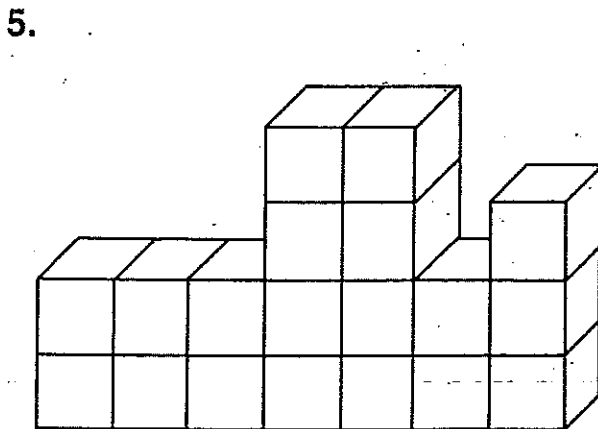
Volume = \_\_\_\_\_



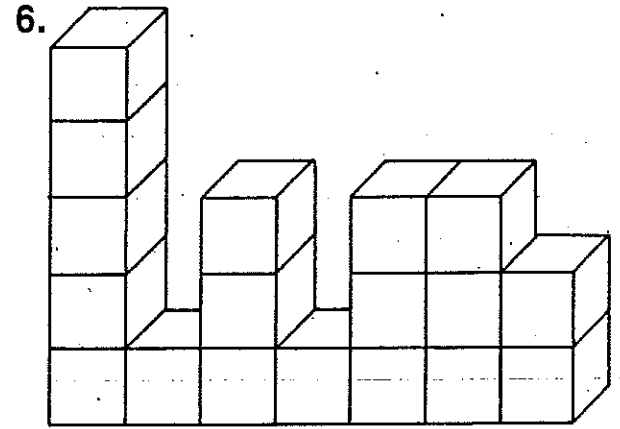
Volume = \_\_\_\_\_



Volume = \_\_\_\_\_



Volume = \_\_\_\_\_

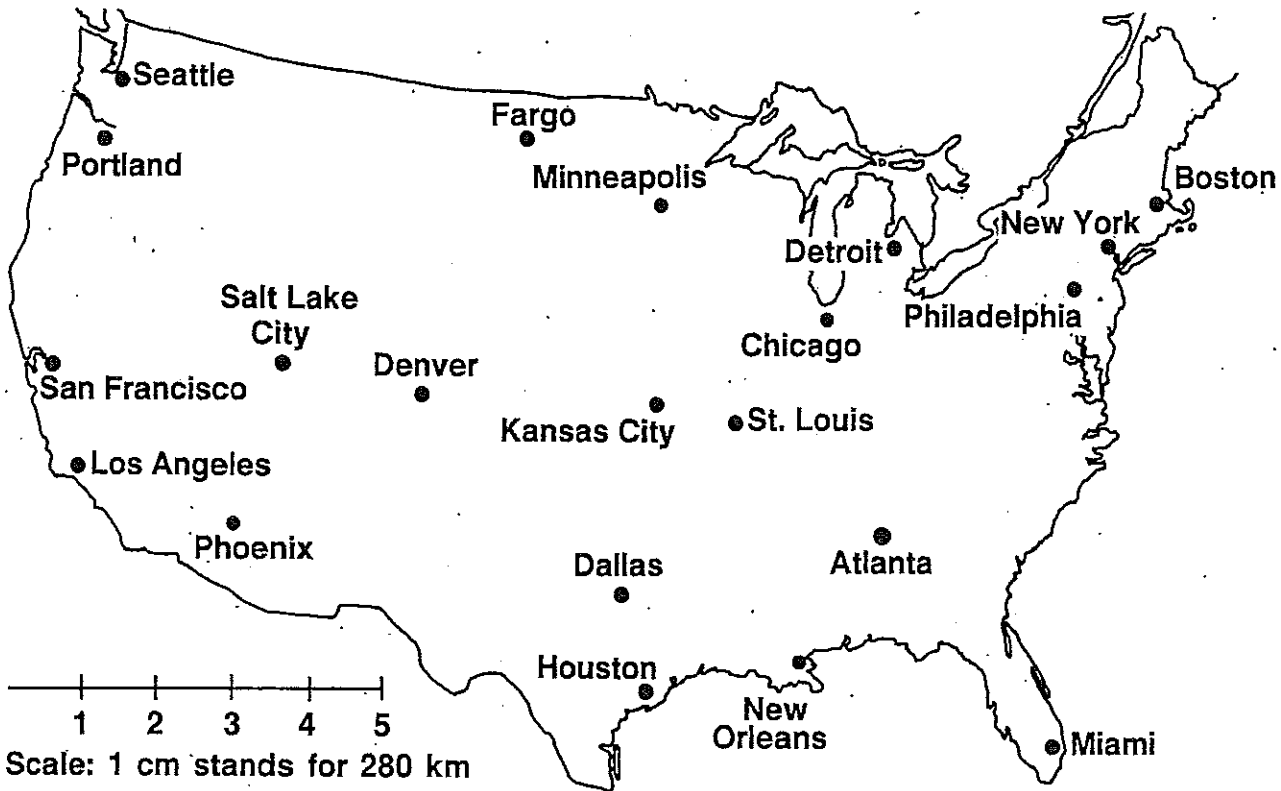


Volume = \_\_\_\_\_

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## Problem Solving • Using a Map Scale

On this map 1 centimeter stands for 280 kilometers.  
 Measure the number of centimeters between the cities.  
 Then add 280 for each centimeter to find the total distance in kilometers.



Complete.

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. The distance from Salt Lake City to Denver is about _____ kilometers.</li> <li>2. The distance from Atlanta to Philadelphia is about _____ kilometers.</li> <li>3. The distance from Minneapolis to New York is about _____ kilometers.</li> </ol> | <ol style="list-style-type: none"> <li>4. The distance from Phoenix to Houston is about _____ kilometers.</li> <li>5. The distance from Portland to Chicago is about _____ kilometers.</li> <li>6. The distance from San Francisco to Portland is about _____ kilometers.</li> </ol> |
|--|--|

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## Dividing Two-Digit Numbers with Remainders

Complete to divide:  $89 \div 3$ .

Step 1

Divide the tens.

*Think:*  $3 \overline{)8}$ .

Multiply. Subtract.

$$\begin{array}{r} \square \\ 3 \overline{) 89} \\ - \square \leftarrow 2 \times 3 \\ \hline \square \leftarrow \text{Must be less than} \\ \text{the divisor, 3.} \end{array}$$

Step 2

Bring down the 9.

Divide. *Think:*  $3 \overline{)29}$ .

Multiply. Subtract. Show the remainder.

$$\begin{array}{r} 2 \square r \square \\ 3 \overline{) 89} \\ - 6 \quad \downarrow \\ - 2 \quad 9 \\ \hline - 2 \quad 7 \\ \hline \square \leftarrow \text{The remainder} \\ \text{must be less than} \\ \text{the divisor. } 2 < 3 \end{array}$$

Check your answer.

Multiply the quotient  
by the divisor.  $\longrightarrow$

$$\begin{array}{r} 29 \\ \times 3 \\ \hline \square \square \end{array}$$

Add the remainder.  $\longrightarrow$

$$\begin{array}{r} \square \square \\ + 2 \\ \hline \square \square \end{array}$$

Should equal the dividend.  $\longrightarrow$

Complete.

$$\begin{array}{r} 12 \\ 1. 3 \overline{)37} \\ - 3 \downarrow \\ \hline 7 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 2. 4 \overline{)47} \\ - 4 \downarrow \\ \hline 7 \end{array}$$

$$\begin{array}{r} 1 \\ 3. 5 \overline{)68} \\ - 5 \downarrow \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 4. 3 \overline{)79} \\ - 6 \downarrow \\ \hline \end{array}$$

Divide. Check your answers.

$$5. 4 \overline{)59}$$

$$6. 5 \overline{)76}$$

$$7. 6 \overline{)73}$$

$$8. 7 \overline{)81}$$

$$9. 3 \overline{)85}$$

$$10. 2 \overline{)67}$$

$$11. 4 \overline{)91}$$

$$12. 5 \overline{)62}$$

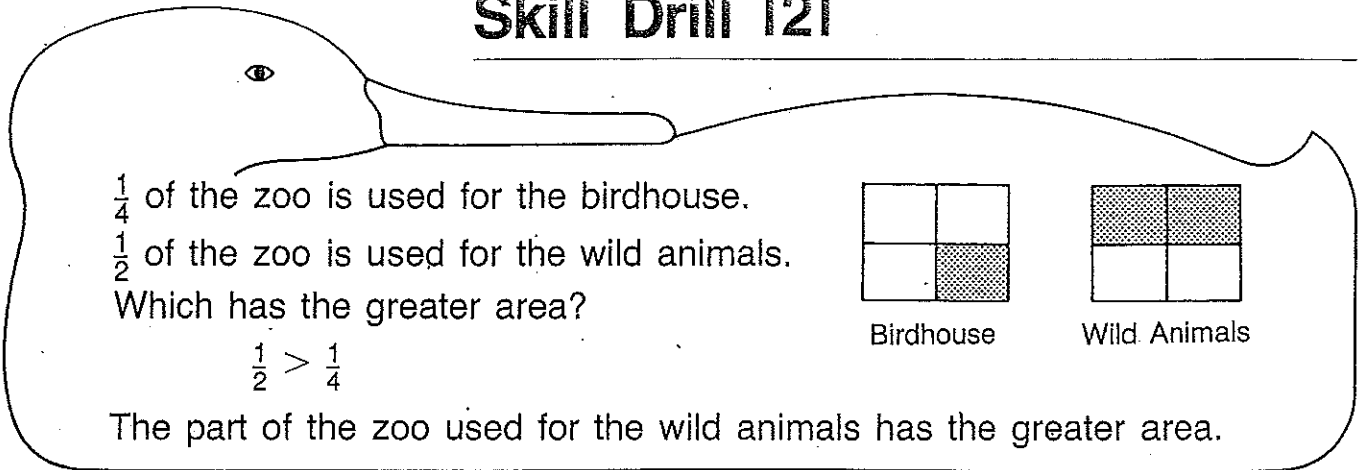
$$13. 8 \overline{)91}$$

$$14. 7 \overline{)78}$$

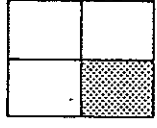
$$15. 4 \overline{)97}$$

$$16. 3 \overline{)95}$$

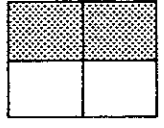
## Skill Drill 121



$\frac{1}{4}$  of the zoo is used for the birdhouse.  
 $\frac{1}{2}$  of the zoo is used for the wild animals.  
 Which has the greater area?  
 $\frac{1}{2} > \frac{1}{4}$



Birdhouse

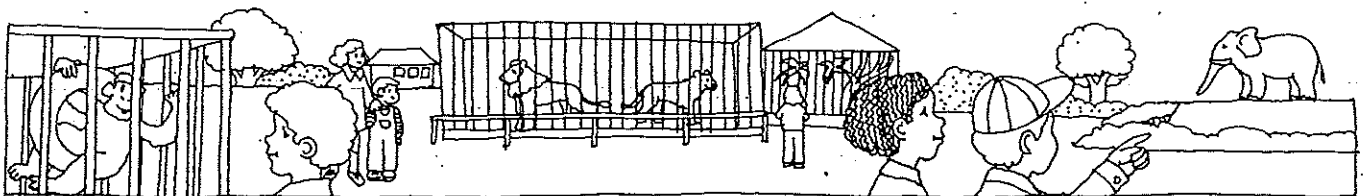


Wild Animals

The part of the zoo used for the wild animals has the greater area.

Solve the problems.

1. There are 12 birds in a cage.  $\frac{1}{2}$  of them have yellow spots. How many birds have yellow spots?  
\_\_\_\_\_
2. Jean saw 10 monkeys in a cage.  $\frac{1}{5}$  of the monkeys were eating. How many monkeys were eating?  
\_\_\_\_\_
3. Sally bought 8 bags of peanuts for the elephants. She gave  $\frac{1}{4}$  of the bags away. How many bags did Sally give away?  
\_\_\_\_\_
4.  $\frac{5}{8}$  of the children had red balloons.  $\frac{1}{8}$  of the children had yellow balloons. Are there more red or yellow balloons?  
\_\_\_\_\_
5. Bill counted 5 lions.  $\frac{1}{5}$  of them were cubs. How many lions were cubs?  
\_\_\_\_\_
6.  $\frac{1}{6}$  of the children went to see the tigers.  $\frac{4}{6}$  of the children went to see the lions. Did more children see the tigers or lions?  
\_\_\_\_\_

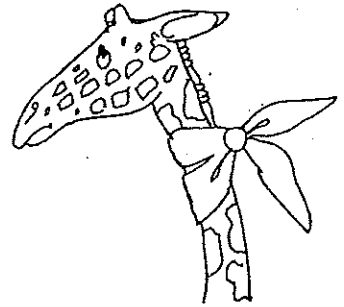


# Challenge 125

## Riddle

Add or subtract. Use the answers to solve the riddle.

What is worse than a giraffe with a sore throat?



A	C									
		10.1	9.39	6.7	9.06	3.9	7.0	9.39	4.9	9.39

		4.4	3.9	9.06	3.23		5.42	7.3	2.8	9.39

		3.8	9.39	9.39	9.06

<b>C</b>	$\begin{array}{r} 4.8 \\ +5.3 \\ \hline 10.1 \end{array}$	<b>D</b>	$\begin{array}{r} 9.5 \\ -4.6 \\ \hline \end{array}$	<b>E</b>	$\begin{array}{r} 3.52 \\ +5.87 \\ \hline \end{array}$	<b>F</b>	$\begin{array}{r} 8.7 \\ -4.9 \\ \hline \end{array}$	<b>G</b>	$\begin{array}{r} 5.8 \\ +2.4 \\ \hline \end{array}$
<b>H</b>	$\begin{array}{r} 9.98 \\ -6.75 \\ \hline \end{array}$	<b>I</b>	$\begin{array}{r} 5.8 \\ -1.9 \\ \hline \end{array}$	<b>L</b>	$\begin{array}{r} 7.56 \\ -1.27 \\ \hline \end{array}$	<b>N</b>	$\begin{array}{r} 3.6 \\ +3.1 \\ \hline \end{array}$	<b>O</b>	$\begin{array}{r} 4.8 \\ +2.5 \\ \hline \end{array}$
<b>P</b>	$\begin{array}{r} 4.3 \\ +2.7 \\ \hline \end{array}$	<b>R</b>	$\begin{array}{r} 7.6 \\ -4.8 \\ \hline \end{array}$	<b>S</b>	$\begin{array}{r} 2.47 \\ +2.95 \\ \hline \end{array}$	<b>T</b>	$\begin{array}{r} 3.12 \\ +5.94 \\ \hline \end{array}$	<b>W</b>	$\begin{array}{r} 7.0 \\ -2.6 \\ \hline \end{array}$



Name \_\_\_\_\_

## Extra Data

Find the data you need. Solve each problem. Then write the extra data.

- 1.** All 5 family members went shopping. They left their house at 2:00 and got back home at 4:20. How many hours did the family shop?

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- 2.** Erin's mother got to the airport at 6:00. The family lives 1 hour from the airport. The flight leaves at 7:15. How long did Erin's mother wait for the plane?

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- 3.** School began at 8:00. The first recess was 1 hour and 20 minutes after school started. The recess was 10 minutes long. What time was recess?

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- 4.** Oscar took the bus to the movie. The movie started at 3:00 and lasted 1 hour and 25 minutes. The bus costs \$1. What time did the movie end?

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- 5.** The math lesson started at 9:00 and lasted 45 minutes. There are 10 students in the math group. What time did math end?

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- 6.** Tanya practices the trumpet 1 hour each day. She started at 4:00. Her lesson costs \$10. What time did Tanya stop practicing?

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2)10	4)28	3)12	5)25	6)24	7)42
8)16	9)45	8)72	6)12	1)2	2)18
9)9	8)24	7)28	5)20	4)12	1)7
1)3	2)12	3)21	4)32	5)10	6)36
7)7	4)8	2)4	5)40	6)48	9)81
2)8	3)18	6)6	8)64	9)54	1)1
8)48	9)18	3)27	7)56	1)9	8)40
2)2	1)4	2)6	1)5	1)6	1)8
2)14	2)16	3)24	3)9	3)15	3)6
3)3	4)4	4)16	4)20	4)24	4)36
5)5	5)15	5)30	5)35	5)45	6)18
6)30	6)42	6)54	7)14	7)21	7)35
7)49	7)63	8)8	8)56	9)27	8)32
9)36	9)72	9)63			

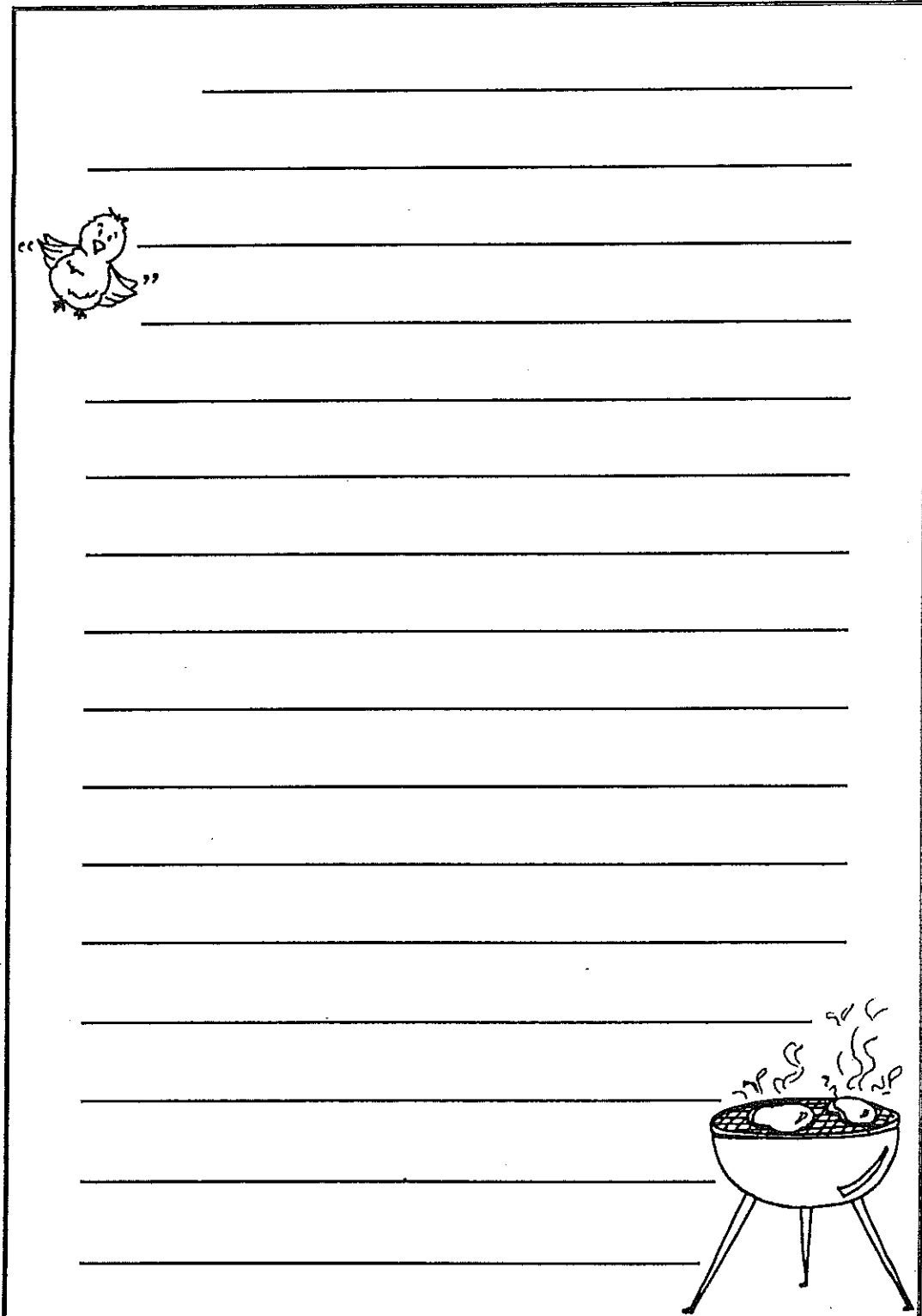






# July

Write a story about things you do during July.



A large rectangular box containing horizontal lines for writing. On the left side, there is a small cartoon bird. On the bottom right side, there is a cartoon illustration of a grill with two patties cooking and steam rising.

Name \_\_\_\_\_

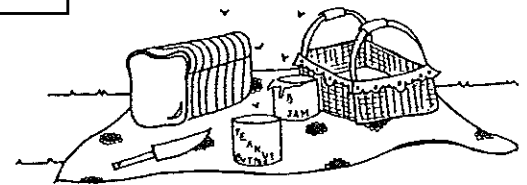
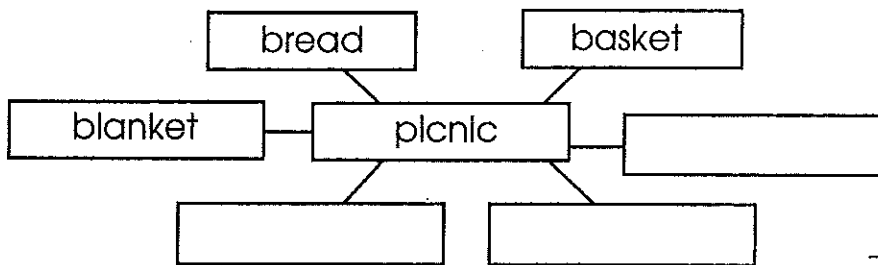
Skill: Story Web

**Stories have a beginning, a middle, and an end.**

**Finish the story web. Use the words in the web to write a story about the picture. Be sure to use capitals and periods. Think of a title for your story.**

**Things To Think About**

**Who is this story about? Where does this story take place? How does this story begin? What happens next? How will you make this story end?**



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**Sentences need punctuation marks.  
Sentences and proper nouns begin with capital letters.**

**Place punctuation marks and capital letters where they are needed.  
Add an ending to the story.**

the adventure of baby bird

mother bird was busy with her three new babies they were growing so quickly soon they would all begin flying they were always hungry she could never seem to find enough food to keep them full back and forth she flew all day long with worms and bugs

chirpy was the smallest of the three babies he was also the bravest he liked to jump to the edge of the nest to see his new world mother bird warned him to be careful she said that he might fall from the nest there were cats in the yard below how would he get home if he fell out of the nest

mother bird flew away to get the babies their dinner chirpy hopped right up on the edge of the nest suddenly his foot slipped he began to fall

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Name \_\_\_\_\_

Skill: Book Reports

## Book Report

Title:

Author:

1. Name two characters in this book. Write a sentence about each one.

1. \_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_

2. Tell where this story takes place. Write a sentence to describe the setting.

\_\_\_\_\_

\_\_\_\_\_

3. What is the problem in this story?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. How is the problem solved?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_