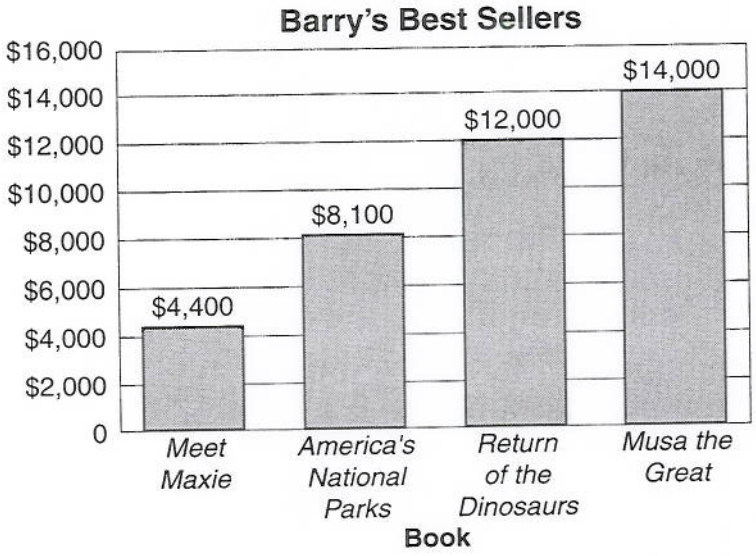
Name _____

Barry's Best Sellers

E 7-1
MENTAL MATH

The graph below shows the titles of the four best-selling books at Barry's Book Store. It also shows how much money Barry made from each book. Divide mentally to answer each question.



1. Barry charged $7 for each copy of *Musa the Great.* How many total copies did Barry sell? _____

2. Barry charged $4 for each copy of *Return of the Dinosaurs.* How many total copies did Barry sell? _____

3. Barry charged $9 for each copy of *America's National Parks.* How many total copies did Barry sell? _____

4. Barry began charging $5 for each copy of *Meet Maxie.* He then lowered the price to $4 a copy. How many total copies might Barry have sold? Circle the most reasonable amount listed below.

   700 800 900

5. Which book did Barry sell the most copies of?

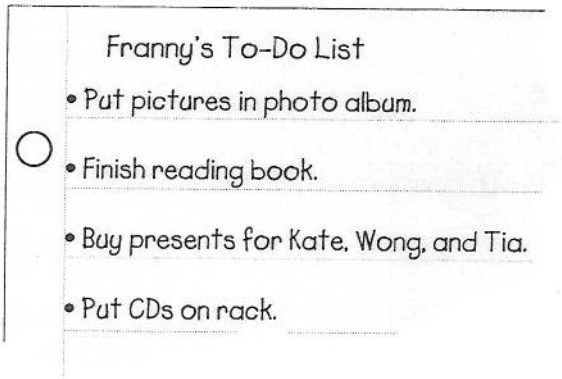
   _____

Name _____

Franny's To-Do List

E 7-2
NUMBER SENSE

Franny wants to get a lot done this weekend. She made a list of things she needs to do.



1. Franny wants to place the remaining 64 photos in a large photo album. She has 5 pages left in the album. About how many photos can she place on each page?

_____

2. Franny has to read 113 pages to finish her book. She plans to spend 4 hr reading. About how many pages should she read each hour to finish the book?

_____

3. Franny wants to spend an equal amount of money on the presents for her 3 friends. If she has $53, about how much money can she spend on each present?

_____

4. Franny's new CD rack has 8 rows. If Franny has 130 CDs, about how many can she put on each row?

_____

Name _____

Order Lunch

Liz invited some friends to her house for lunch. She is ordering food from Daisy's Diner down the street. She is thinking of buying one of the party-sized items listed in the chart.

Food Item	Amount	Serving Size
Texas Chili	38 oz	8 oz
Deluxe Veggie Pizza	16 slices	3 slices
Corn-Cob Delight	18 cobs	4 cobs

1. How many people can Liz serve if she buys the Texas Chili? _____

   How many ounces will she have left over? _____

2. How many people can Liz serve if she buys the Deluxe Veggie Pizza? _____

   How many slices will she have left over? _____

3. How many people can Liz serve if she buys the Corn-Cob Delight? _____

   How many corn cobs will she have left over? _____

4. Liz needs to buy enough food for 5 people. She does not want to have a lot of food left over. What should she buy? _____

5. The Texas Chili costs $11.99; the Deluxe Pizza costs $15.50; the Corn-Cob Delight cost $17.75. Do these prices change your decision about what Liz should buy? Explain your answer.

   _____

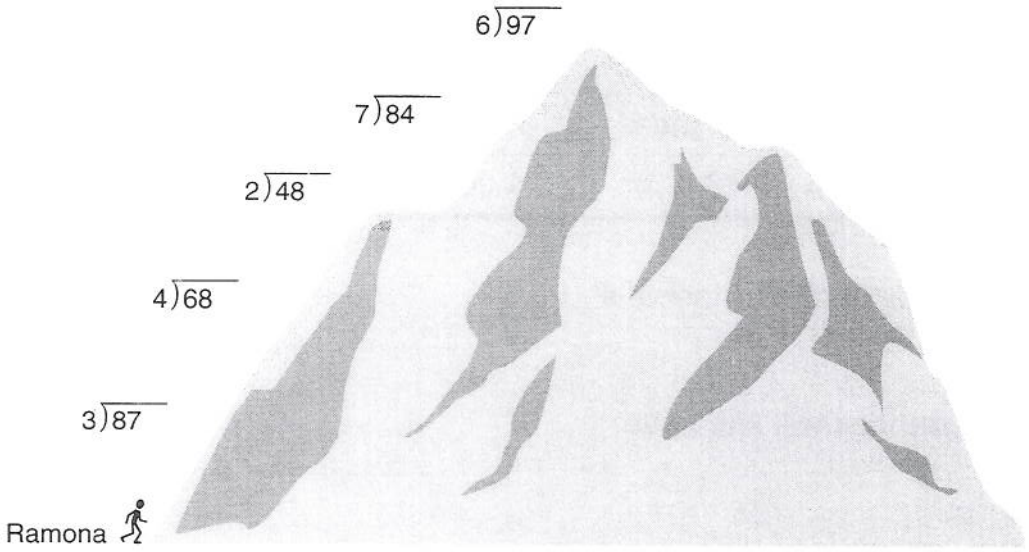
Name_____

Will They Reach the Top?

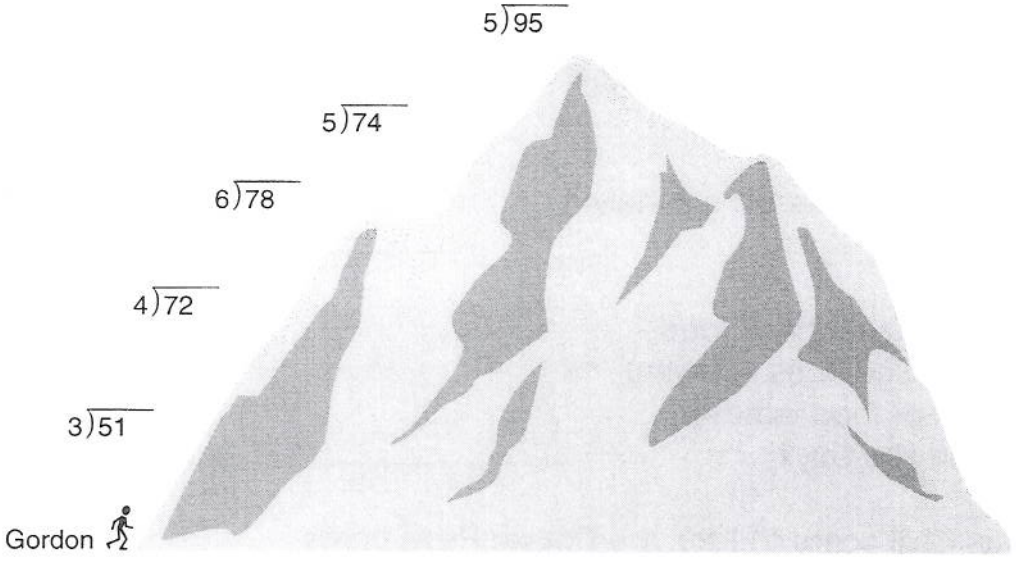
E 7-4
NUMBER SENSE

Begin at the bottom of each mountain and solve each multiplication problem. If there is a remainder, the hiker stops at that problem. If there is no remainder, the hiker keeps climbing.

1.



2.



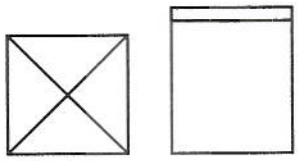
3. Which hiker made it farther up the mountain?

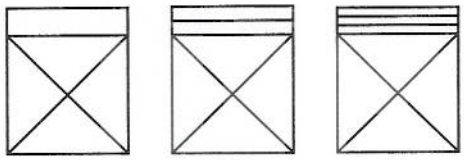
_____

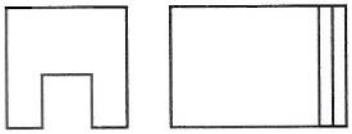
Name _____

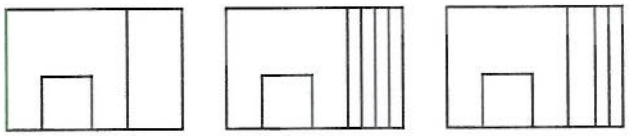
New Shapes

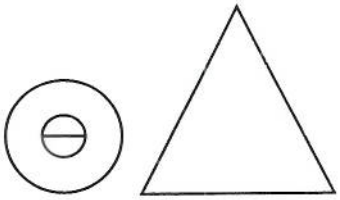
If you place the figure on the left inside of the figure on the right, what would the new figure look like? Circle the letter of the figure that shows the new figure.

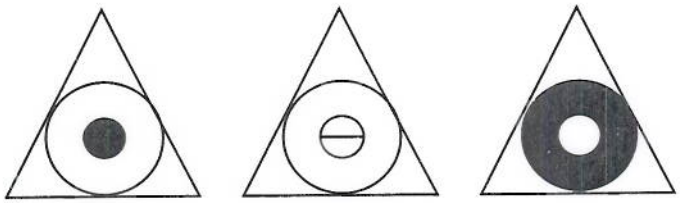
1. 

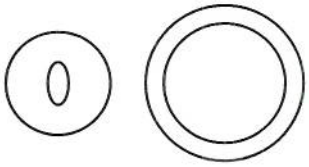


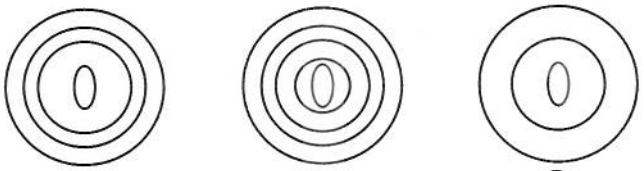
2. 

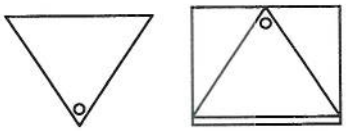


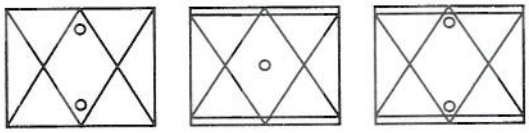
3. 



4. 



5. 

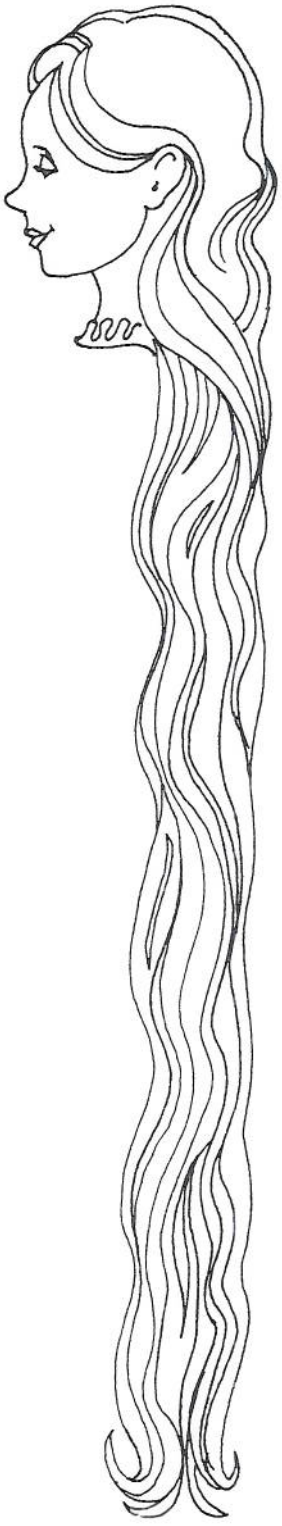


Name _____

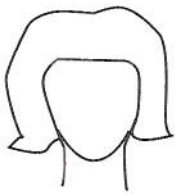
Rapunzel's Hair

E 7-6
NUMBER SENSE

Rapunzel's hair is 83 in. long! She wants to use her hair to make some wigs to sell.



1.



Suppose the hair on each wig is 6 in. long. How many wigs can Rapunzel make?

_____

How long will her hair be after she cuts it?

_____

2.

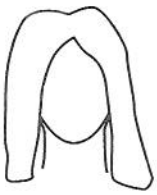
Rapunzel grows her hair out to 59 in. long. She cuts her hair to make more wigs. The hair on each wig needs to be 3 in. long. How many wigs can she make?

_____

How long will her hair be after she cuts it?

_____

3.



Rapunzel decides to not make wigs for a long time. Her hair grows to 94 in. long! Then she decides to make more wigs. The length of the hair on each wig needs to be 8 in. long. How many wigs can she make?

_____

Name _____

The History of Zoro

E 7-7
DATA

Use the time line to answer the questions below.

Important Dates in Zoro's History

1. A new president is elected every 4 years. By the year 2004, how many presidents will Zoro have had?

_____

2. The people of Zoro decided they would continue to hold their Olympics every 6 years. By the year 2004, how many Olympics will Zoro have had?

_____

3. Based on the time line, what do you think a Centennial celebration is for?

_____

_____

4. What other event would have occurred in the year of the Centennial celebration?

_____

5. Tina Jones was the first figure skater to obtain a perfect score in the Zoro Olympics. This happened during the 6th Zoro Olympics. In what year did this take place?

_____

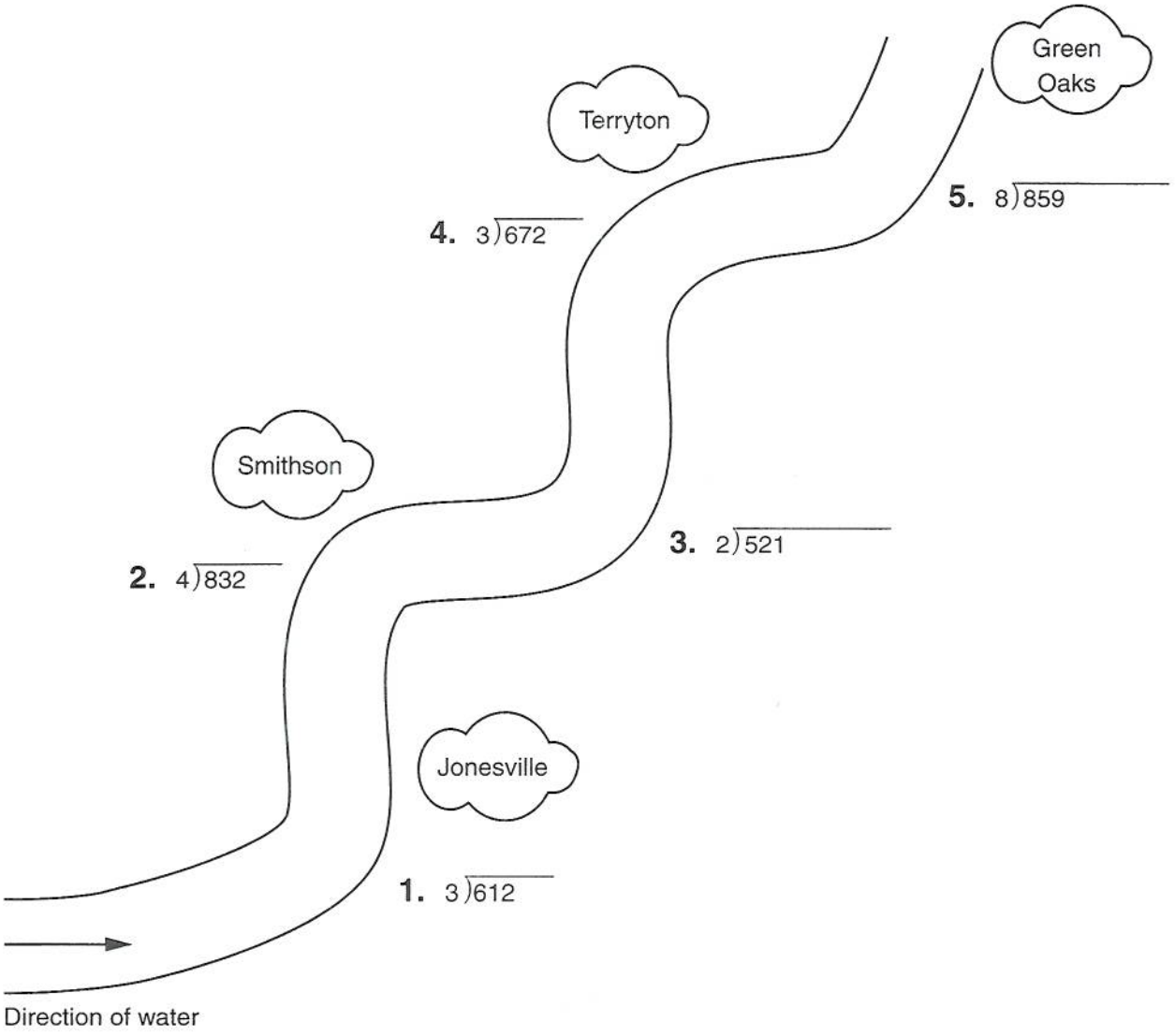
Name _____

Stop the Flood!

E 7-8
NUMBER SENSE

The river is overflowing! If a dam is not built, the towns downstream will be flooded.

Solve each division problem below. If the quotient does not have a zero, draw a dam from the quotient across the river.



6. Which town or towns will NOT be flooded?

_____

Name _____

Making Money

"Money! Let's earn some money!" That was what 6 friends decided to do one summer afternoon. They set up a window-washing business. After 3 days of washing windows, they earned a total of $7.50.

1. The group divided the money equally among all 6 people. How much did each person receive?

   _____

2. If there were only 5 friends, how much did each person receive?

   _____

   "I think we can make more if we divide into 2 different companies," Mary said. So they did. Mary and Stan formed Company A. They washed windows and earned a total of $8.54. The other 4 friends formed Company B. They sold lemonade and earned a total of $8.92.

3. The 2 companies each divided their earnings equally among all company members. How much did each person earn in each company?

   _____

4. Do you think Mary made a wise decision? Why or why not?

   _____

   _____

   _____

5. If there were 3 friends in each company, how much did each person earn?

   _____

Name____

The Mixed Up Patterns

E 7-10
PATTERNS

Draw or write what comes next in the patterns below.

1. 10, △, 12, △△, ____, ____________

2. ⁂ (3 stars), 24, ✱✱, 12, ____, ____

3. A ▯ B, C ▯▯ D, E ▯▯▯ F, ________ ________

4. 200, ○○○○ (4 circles), 150, ○○○ (3 circles), 100, ________, ________

5. 555, 44P, 666, 33Q, ________, ________

6. XXOX, XOOX, XXOX, ____________, ____________

7. □, 99, □□, 88, □□□ (3 squares), ________, ________

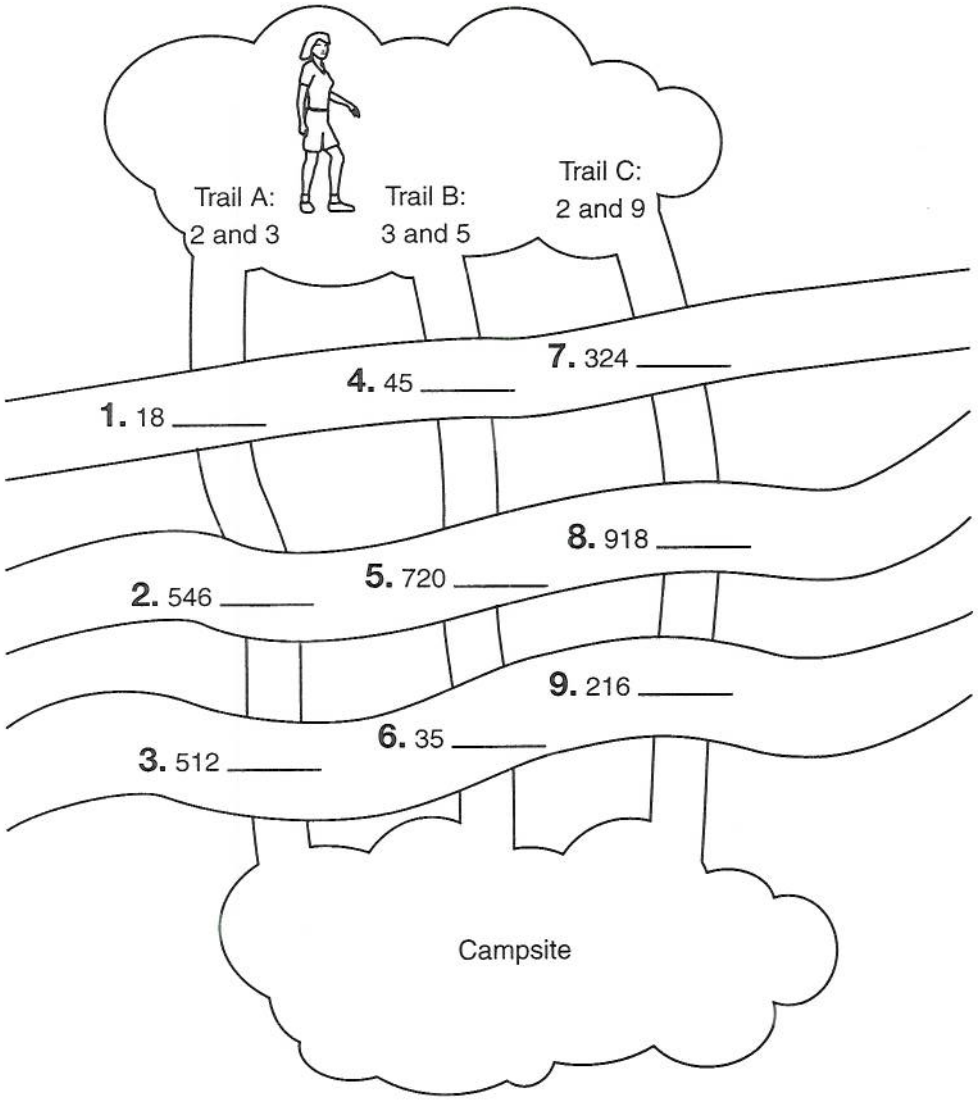
8. 13, ↑10, 23, ↑100, 123, ____________, ________

Name _____

Safe Passage by Numbers

E 7-11
MENTAL MATH

Felicia is backpacking and must cross three rivers to reach the campsite. Write *yes* or *no* in each blank to state if the number is divisible by the two numbers at the start of each trail. She cannot cross the river if there are any *no* answers on the trail.



10. Which trail must Felicia take to reach the campsite? _____

11. Find a divisibility rule for 4 and 6.

_____

_____

_____

Name _____

The Jumping Frogs

E 7-12
NUMBER SENSE

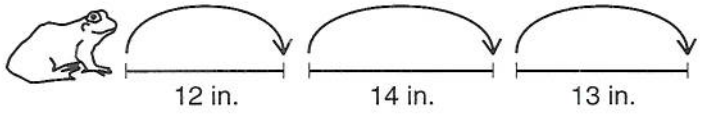
Frankfort has a frog-jumping contest each year. Diego hopes to have the winning frog. He caught three frogs from the swamp and had them each take three leaps.

1. First, make an estimate. Based on the distances shown, which frog should Diego enter in the contest? Why do you think so?

_____

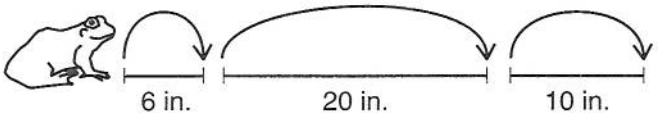
_____

2. Frog A



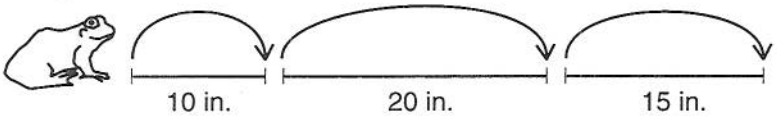
What is the average leap of Frog A? _____

3. Frog B



What is the average leap of Frog B? _____

4. Frog C



What is the average leap of Frog C? _____

5. Based on the actual average leap, which frog should Diego enter in the contest? Why do you think so?

_____

_____

Name _____

Add or Subtract?

Solve each division problem using mental math. If the answer has one zero, write an addition sign in the box. If the answer has two zeros, write a subtraction sign in the box. Then compute the numbers in the column on the right.

			500
1.	8,100 ÷ 9 = _____	☐	100
2.	5,600 ÷ 7 = _____	☐	200
3.	3,200 ÷ 80 = _____	☐	60
4.	1,500 ÷ 30 = _____	☐	40
5.	2,400 ÷ 4 = _____	☐	100
6.	5,400 ÷ 60 = _____	☐	200
7.	1,800 ÷ 30 = _____	☐	300
8.	4,900 ÷ 7 = _____	☐	500
9.	3,600 ÷ 90 = _____	☐	400
10.	1,500 ÷ 3 = _____	☐	70
11.	4,800 ÷ 6 = _____	☐	30
12.	2,700 ÷ 9 = _____	☐	100

13. What number did you get after computing the numbers in the right-hand column?

_____

Name _____

What's His Mood?

E 7-14
NUMBER SENSE

Complete each division problem. Then follow the directions after the problem.

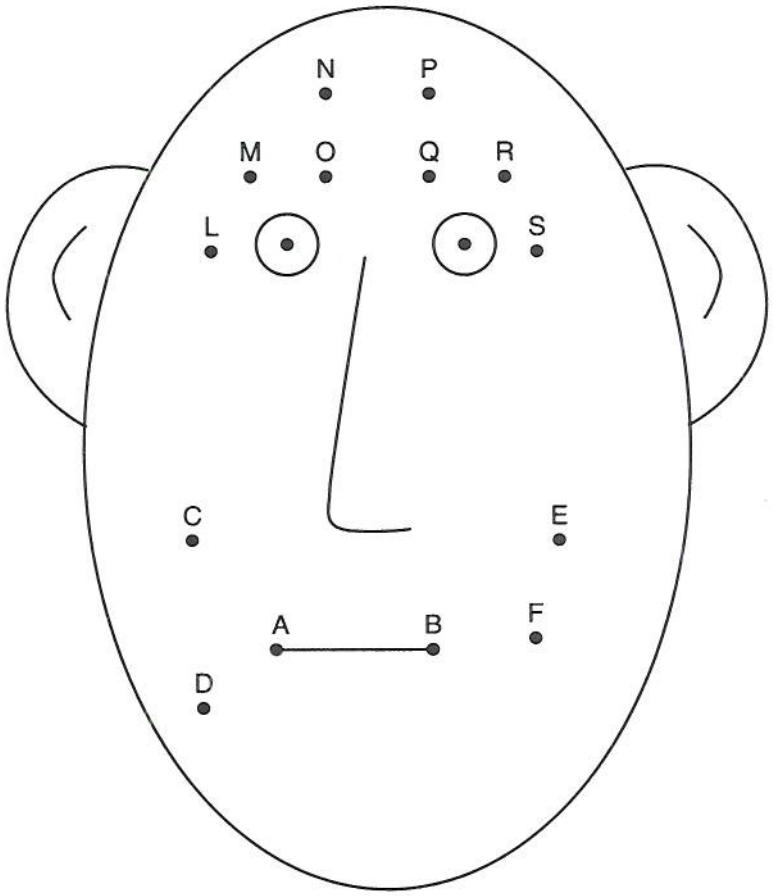
1. $15\overline{)183}$

2. If the quotient has a remainder, draw a line from M to O. If not, draw a line from N to L.

3. $22\overline{)352}$

4. If the quotient has a remainder, draw a line from B to F. If not, draw a line from B to E.

5. $47\overline{)799}$



6. If the quotient has a remainder, draw a line from P to S. If not, draw a line from Q to R.

7. $33\overline{)384}$

8. If the quotient has a remainder, draw a line from A to C. If not, draw a line from A to D.

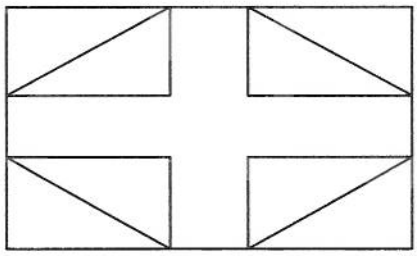
9. Is the man happy or sad? _____

Name _____

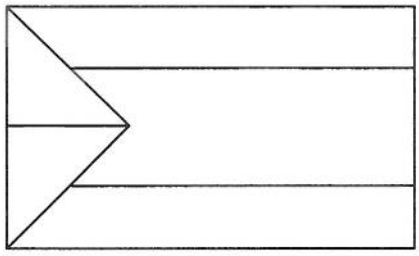
I Can See It in the Flag!

Which flag does each shape appear in? Write the letter of the flag next to each shape.

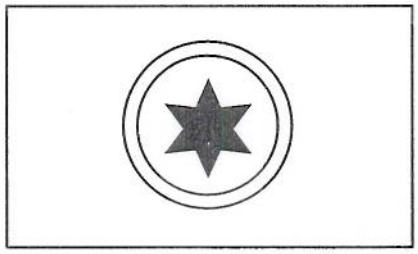
A.



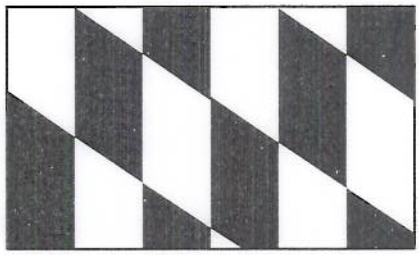
D.



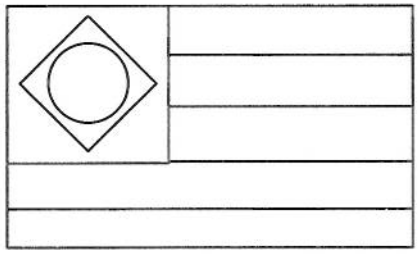
B.



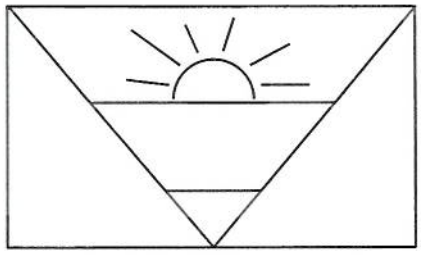
E.



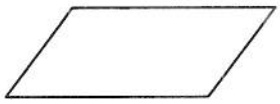
C.



F.



1.

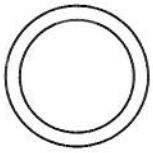


_____

2.

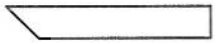
_____

3.



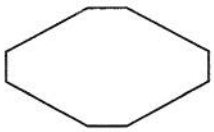
_____

4.



_____

5.



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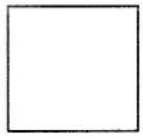
6.



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