

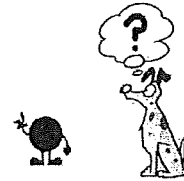


## Brain Builder Riddle #1

Two ways to write the number 237 are shown below. Can you find another way to represent 237 in a number sentence?

$$200 + 30 + 7 = 237$$

$$237 = 23 \text{ tens} + 7 \text{ ones}$$

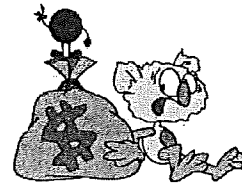


Answer: \_\_\_\_\_

Name \_\_\_\_\_

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## Brain Builder Riddle #2



What bills and coins are needed to make exactly \$57.03 using seven U.S. bills and eight U.S. coins?

Answer: \_\_\_\_\_

Name \_\_\_\_\_

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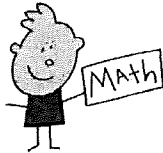
## Brain Builder Riddle #3



You are looking in a mirror and you see the reflection of a clock (with hands, but no numbers). The clock reads 2:45. You know it's not really 2:45. What time is it?

Answer: \_\_\_\_\_

Name \_\_\_\_\_



## Brain Builder Riddle #4



Add only one math symbol below to make the equation true. (+ - x or ÷)

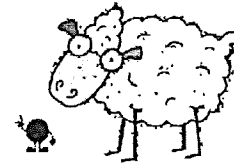
$$1 \ 1 \ 1 \ 1 \ 1 = 100$$

Answer: \_\_\_\_\_

Name \_\_\_\_\_

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## Brain Builder Riddle #5



A farmer had 17 sheep. All but 9 died. How many sheep does the farmer have left?

Answer: \_\_\_\_\_

Name \_\_\_\_\_



## Brain Builder Riddle #6



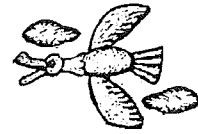
How many seconds are in one day? You might need to use a calculator on this one.

Answer: \_\_\_\_\_

Name \_\_\_\_\_



## Brain Builder Riddle #7



*What's the smallest number of ducks that could fly in this formation?  
Two ducks are in front of a duck, two ducks are behind a duck, and one duck is between  
two ducks. Draw your answer.*

Answer: \_\_\_\_\_

Name \_\_\_\_\_

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## Brain Builder Riddle #8

*The power goes out and you have no light. Your bedroom is pitch dark and you need one  
pair of matching socks. How many socks do you need to take out of the drawer if the  
drawer contains 10 white socks and 10 blue socks?*

Answer: \_\_\_\_\_

Name \_\_\_\_\_

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## Brain Builder Riddle #9



*If it takes 10 people 10 days to dig a hole, how long will it take 5  
people to dig  $\frac{1}{2}$  hole?*

Answer: \_\_\_\_\_

Name \_\_\_\_\_



## Brain Builder Riddle #10

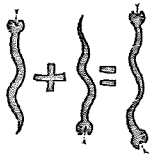


Can you find a hidden math word in the sentence below? (Hint: Think of it as a wordsearch.)

A small tot always sleeps for many hours.

Answer: \_\_\_\_\_

Name \_\_\_\_\_



## Brain Builder Riddle #11



Use the digits 1,2,3,4,5,6,7,8,9 to fill in each of the squares below. Each digit may be used only once.

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

Name \_\_\_\_\_

## Brain Builder Riddle #12



You have exactly two U.S. coins that total 55¢. One of the coins is not a nickel. What are the two coins?

Answer: \_\_\_\_\_

Name \_\_\_\_\_



## Brain Builder Riddle #13

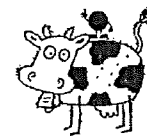


Which set below contains objects that are the same shape, but not the same size?

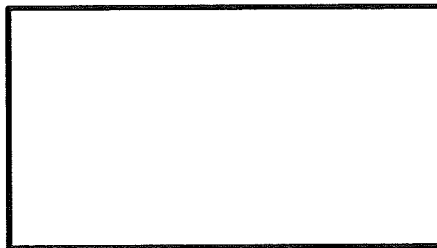


Name \_\_\_\_\_

## Brain Builder Riddle #14



A farmer wants to keep his cows fenced in because they keep running away. How much fence does he need to buy?



55 meters

95 meters

Answer: \_\_\_\_\_

Name \_\_\_\_\_



## Brain Builder Riddle #15

A rancher hired a man build a fence around his property. It would take 10 days to build the fence. The rancher said, "I will pay you a dollar the first day and double it every day after that, or I can just pay you \$20 per day. It's your choice."

If you were the worker, how would you choose to be paid?

Answer: \_\_\_\_\_

Name \_\_\_\_\_



# Brain Builder Riddle #16



Patrice's mom is ordering pizza for all of the girls at her daughter's birthday party. There are 12 girls in all. Each pizza is cut into 8 slices. She wants to make sure that each girl gets two pieces of pizza. How many pizzas should she order? (You may draw in the space below if needed.)

Answer: \_\_\_\_\_

Name \_\_\_\_\_

# Brain Builder Riddle #17



Ryan wants to roll a seven. Show all the different ways that he can roll a total of seven using two dice.

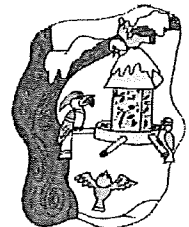


Name \_\_\_\_\_

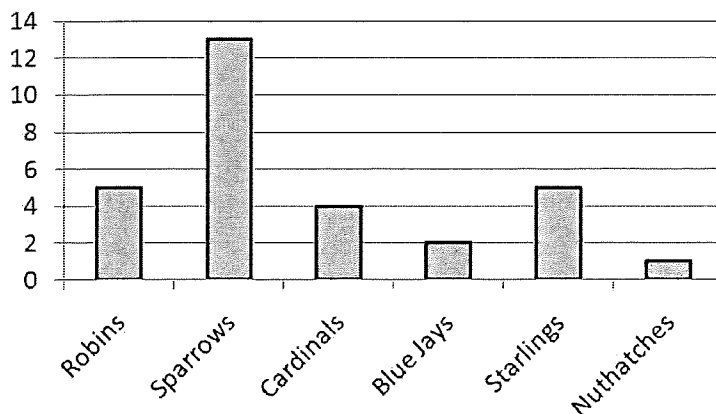


# Brain Builder Riddle #18

Maria made a graph showing all the birds that came to her feeder in one hour. How many birds visited her feeder during that time?



Birds Seen at Feeder



Answer: \_\_\_\_\_

Name \_\_\_\_\_



## Brain Builder Riddle #19

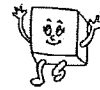
Luis wants to read at least 500 pages for his school's reading month contest? He read 135 pages the first week and 188 pages the second week. How many more pages does he need to read to reach his goal?



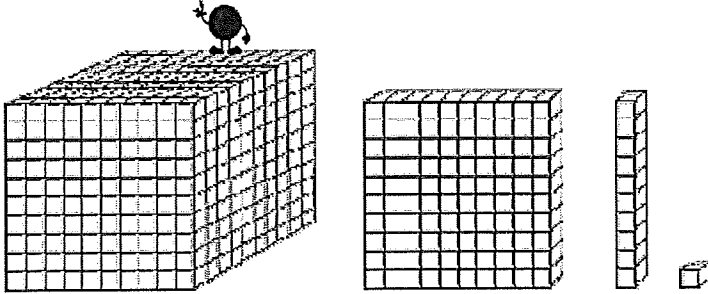
Answer: \_\_\_\_\_

Name \_\_\_\_\_

## Brain Builder Riddle #20



If you take away the one units cube, how many will you have left? Write the number on the line below?

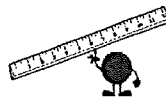
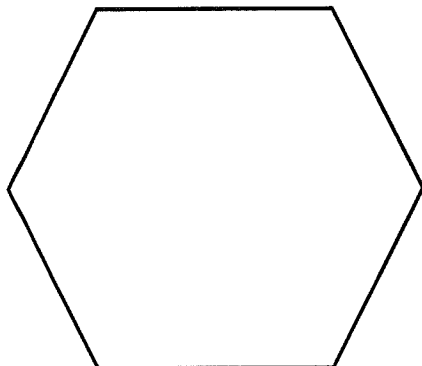


\_\_\_\_\_ Answer

Name \_\_\_\_\_

## Brain Builder Riddle #21

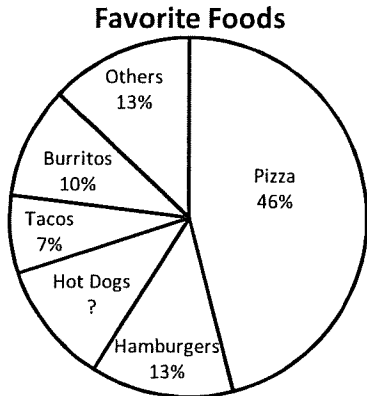
A shape has symmetry if you can fold it so that one side fits exactly on top of the other side. How many ways can you divide the shape in half by drawing lines of symmetry?



Answer: \_\_\_\_\_

Name \_\_\_\_\_

# Brain Builder Riddle #22



Mrs. Roberts' class voted to see what foods they liked the best. The pie graph shows the results. What percent of the students liked hot dogs the best?

Answer: \_\_\_\_\_

Name \_\_\_\_\_



# Brain Builder Riddle #23



*Apple Blueberry Crisp*  
 $\frac{1}{2}$  cup oats  
 $\frac{2}{3}$  cup blueberries  
 $\frac{3}{4}$  cup chopped apples  
 $\frac{1}{4}$  cup brown sugar

Maria helped her mom make a desert. Maria used the most of which ingredient?

Answer: \_\_\_\_\_

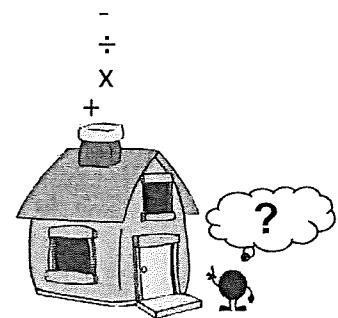
Name \_\_\_\_\_



# Brain Builder Riddle #24

Mr. Decimal Dude has four numbers in his home address. Use the clues below to help you find the address he needs to attach to his house.

The first number is the lowest odd number.  
 The second number is 8 times the first number.  
 The third number is 4 more than 4 times the first number.  
 The last number is  $(5 \times 5) \div 5$ .



Answer: \_\_\_\_\_

Name \_\_\_\_\_

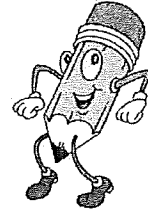


## Brain Builder Riddle #25



100 centimeters  
1 gram  
1 kilometer  
40 liters  
2 meters  
6 kilometers  
18 centimeters  
16 kilometers  
50 grams

*Lin measured her pencil to find out its length.  
Only one answer makes sense. Can you find it?*



Answer: \_\_\_\_\_

Name \_\_\_\_\_

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## Brain Builder Riddle #26



*The Sherman family has a dog named Rex. Use the clues to find out how old Rex is.*

James is 9 years older than Rex.  
Maria is 2 years younger than James.  
Maria is 1 year older than Marcus.  
Marcus is 12 years old.

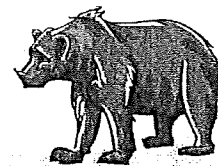
Rex is \_\_\_\_\_ years old.

Name \_\_\_\_\_

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## Brain Builder Riddle #27

*A bear's sense of smell is estimated to be 2,100 times better than a human's.  
Which equation below displays this? (b= bear, h=human)*



$$h \times 2,100 = b$$

$$2,100 - h = b$$

$$b + 2,100 = h$$

$$h \div 2,100 = b$$

Hey, you're  
doing  
algebra!

Answer: \_\_\_\_\_


Name \_\_\_\_\_



## Brain Builder Riddle #28

You have a 24 pack of crayons. You decide to sort them by putting them into 5 piles. Each pile must have the same number of crayons. How many crayons will be in each pile? How many crayons will be left over?

Answer: \_\_\_\_\_

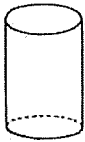
 Name \_\_\_\_\_



## Brain Builder Riddle #29

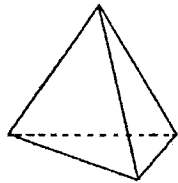
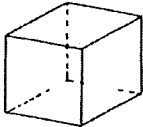
Which two figures below have the same number of corners?

a.

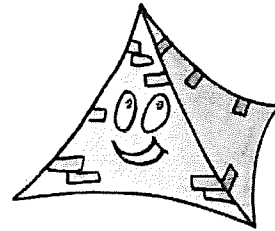


c.

b.



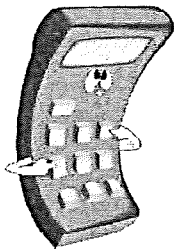
d.



Answer: \_\_\_\_\_

Name \_\_\_\_\_

## Brain Builder Riddle #30



*"No matter which numbers you see,  
If you multiply any by me,  
Your answer's the same  
You are winning the game,  
So relax and take it easy!"*

Which  
number can  
say that?



Answer: \_\_\_\_\_

Name \_\_\_\_\_