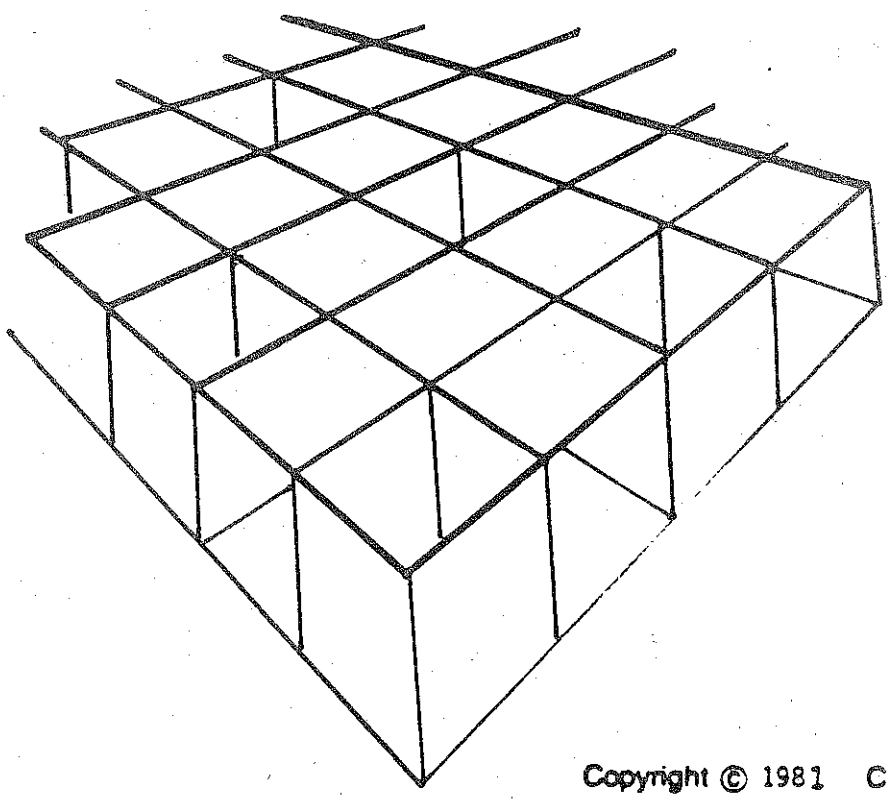
More Unusual Problems

Name _____



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1. John is taller than Bill.

   Bill is taller than Tom.

   Who is tallest? (John) Bill Tom Can't tell

2. Ruth is taller than Joan.

   Mary is taller than Joan.

   Who is tallest? Ruth Joan Mary Can't tell

3. Dave is shorter than Jim.

   Jim is shorter than Andy.

   Who is tallest? Dave Jim Andy Can't tell

4. Paul is taller than John.

   John is shorter than Bob.

   Who is tallest? Paul John Bob Can't tell

5. Ann is taller than Barb and Carol.

Carol is shorter than Barb and Diane.

Who is tallest?	Ann	Barb	Carol	Diane	Can't tell
Who is shortest?	Ann	Barb	Carol	Diane	Can't tell

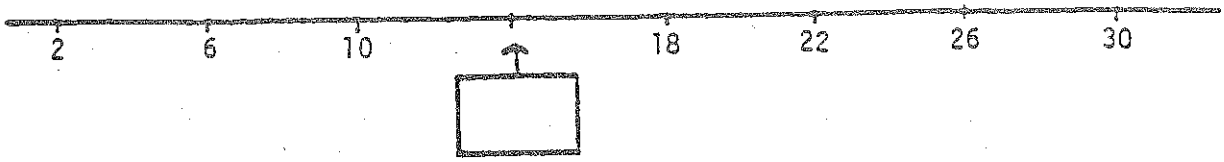
6. The banker is one of these men: Smith, Jones, Brown, William, Gates

The banker is the tallest and fattest man.

Smith is taller than Jones, but shorter than Brown.

Brown is fatter than Williams, but thinner than Smith.

Who is the banker?	Smith	Jones	Brown	Williams	Gates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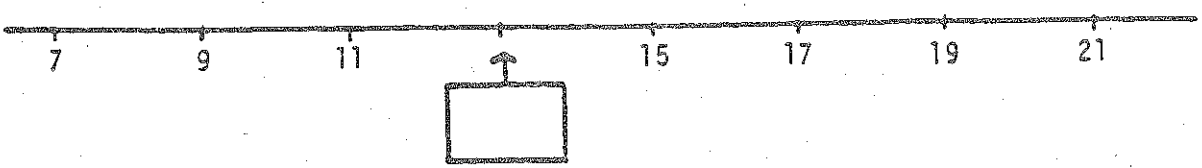
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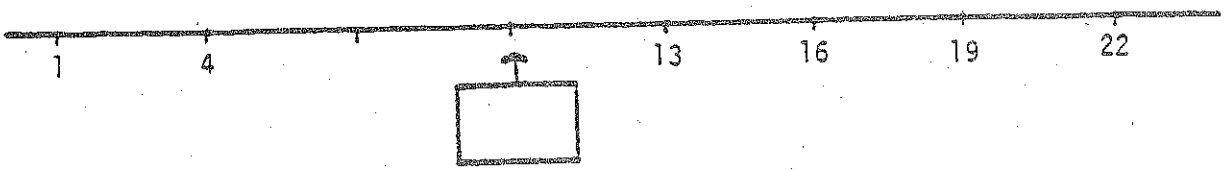
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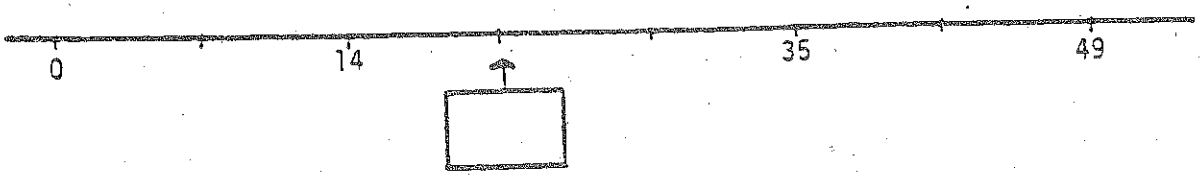
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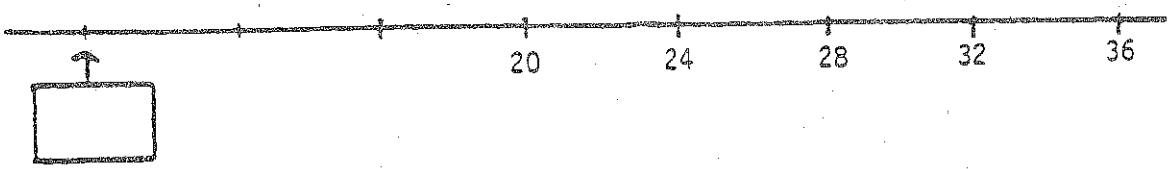
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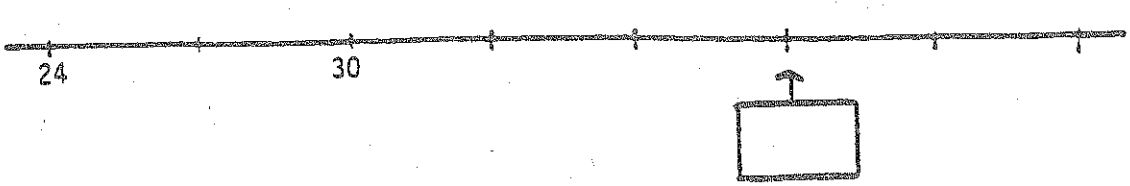

24
30

SAMPLE 1

523 is about (1 / 10 / 100 / 1000) more than 514

SAMPLE 2

7,923 is about (1 / 10 / 100 / 1000) more than 6,812

4,265 is about (1 / 10 / 100 / 1000) more than 4,254

4,960 is about (1 / 10 / 100 / 1000) more than 4,851

7,329 is about (1 / 10 / 100 / 1000) more than 7,227

2,050 is about (1 / 10 / 100 / 1000) more than 2,039

60,482 is about (1 / 10 / 100 / 1000) more than 59,481

2,987 is about (1 / 10 / 100 / 1000) more than 2,001

1,001 is about (1 / 10 / 100 / 1000) more than 998

20,011 is about (1 / 10 / 100 / 1000) more than 19,899

These are the 3 girls: Ann

Bonny

Carla

These are the 3 hats: blue

red

green

These are the 3 drinks: coke

milk

juice

These are the facts:

Each girl wore a different hat and had a different drink.

Ann didn't drink milk or juice.

The girl who wore the blue hat had the milk.

Bonny wore a red hat.

Who did what? (Circle your answers)

	hat			drink		
Ann	blue	red	green	coke	milk	juice
Bonny	blue	red	green	coke	milk	juice
Carla	blue	red	green	coke	milk	juice

These are the 4 boys: Bill

Tom

Ed

Pete

These are the 4 leagues: indoor soccer

outdoor soccer

indoor hockey

outdoor hockey

These are the facts:

Each boy plays in a different league.

Pete plays indoors.

Tom doesn't play hockey.

Ed doesn't play outdoors and he doesn't play soccer.

What league does each boy play in? (Circle your anwers)

Bill:	indoor soccer	outdoor soccer	indoor hockey	outdoor hockey
Tom:	indoor soccer	outdoor soccer	indoor hockey	outdoor hockey
Ed:	indoor soccer	outdoor soccer	indoor hockey	outdoor hockey
Pete:	indoor soccer	outdoor soccer	indoor hockey	outdoor hockey

There are 3 sports: soccer, hockey and basketball.

For each sport there are 2 leagues: an indoor league and an outdoor league.

How many leagues are there? _____

These are the facts:

The boys are called A, B, C, and so on.

Each boy plays in a different league.

A and C play basketball.

B and D don't play soccer.

A, B, and E play indoors.

Which league does each boy play in?

A _____

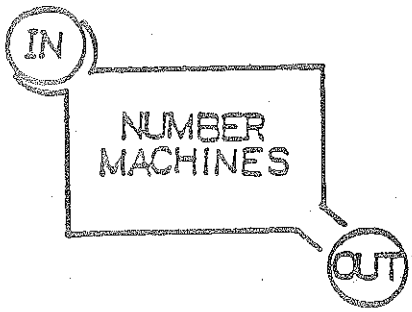
B _____

C _____

D _____

E _____

F _____



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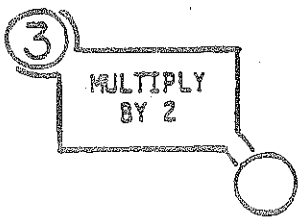

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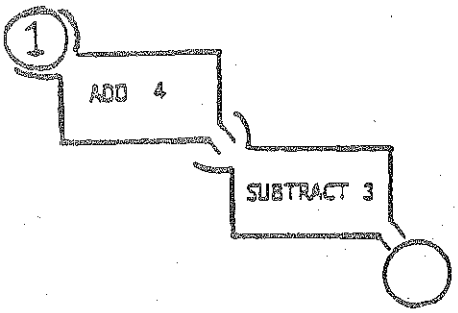

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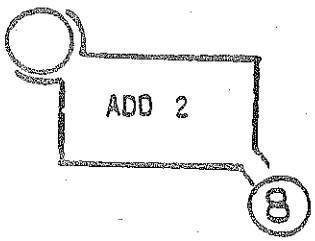
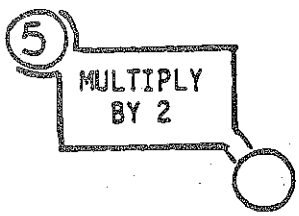
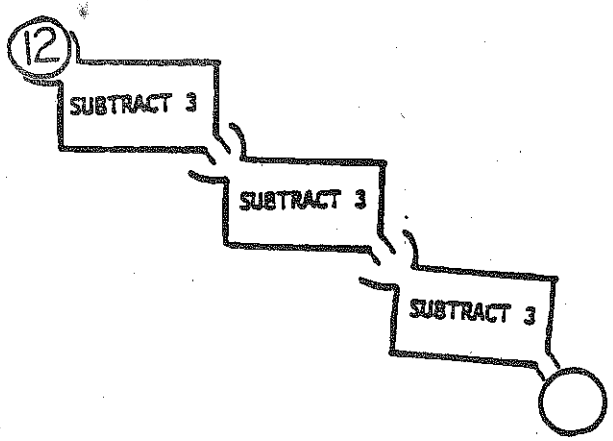
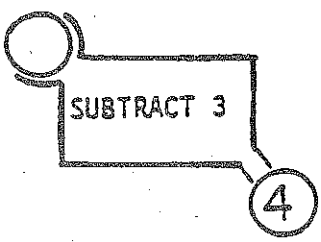



5
MULTIPLY
BY 2


12
SUBTRACT 3
SUBTRACT 3
SUBTRACT 3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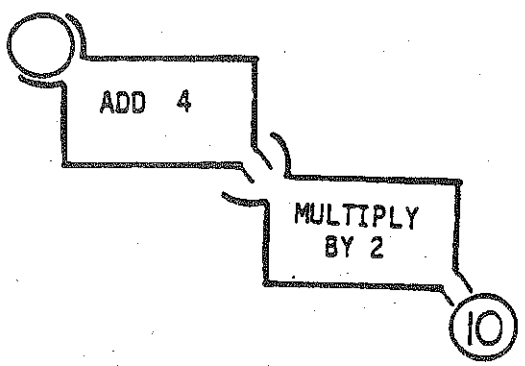
ADD 4
MULTIPLY
BY 2
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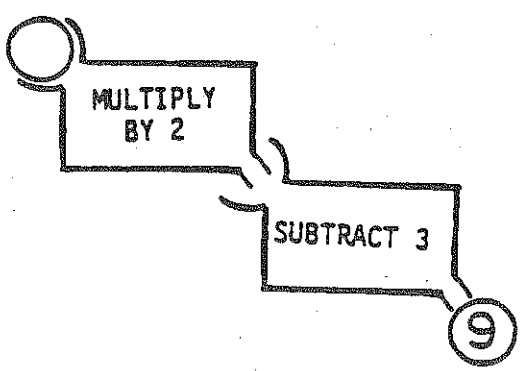
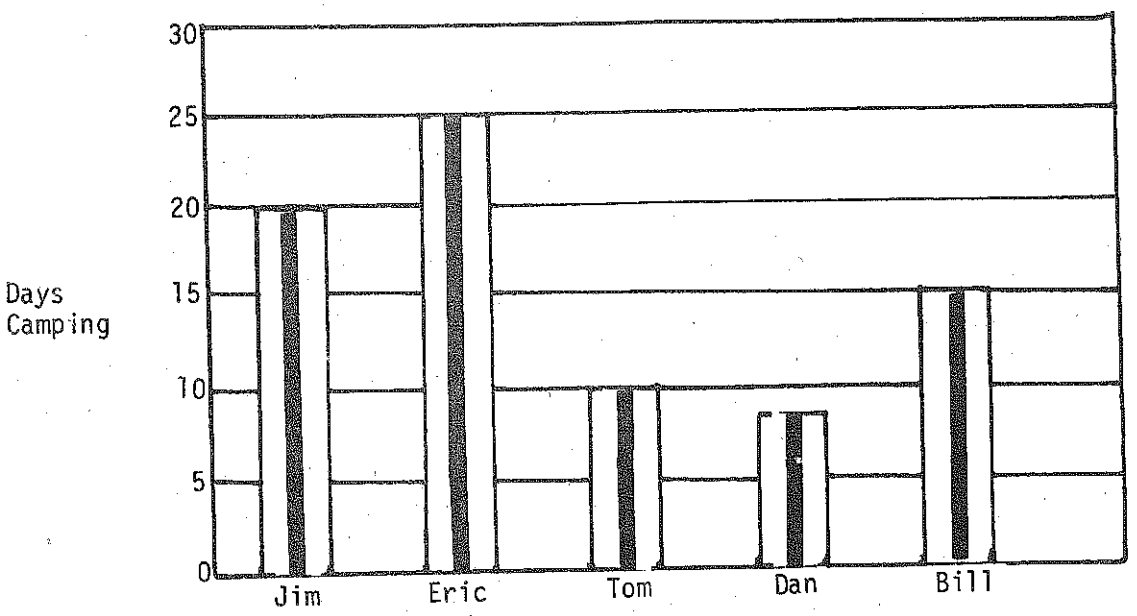

MULTIPLY
BY 2
SUBTRACT 3
9

CAMPING



1. Who camped less than 15 days? _____

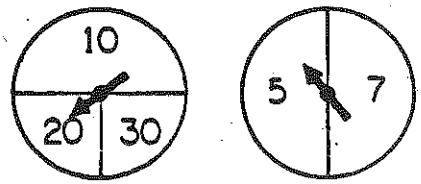
2. Who camped more than 15 days? _____

3. What's the most days Jim and Eric could have camped together? _____

4. What's the most days all 5 boys could have camped together? _____

5. Two of the boys are brothers and they never camped together.
   But each brother spent his whole trip camping with Eric.
   Who are the two brothers? _____ and _____
   (There is more than 1 answer) _____ and _____
   _____ and _____
   _____ and _____

1. Spin both spinners at the same time.
   Your score is the total from the two spinners.



30 is a wrong answer.

25 is a correct answer.

What are all the other possible total scores? _____

2. BETWEEN 500 and 930
   TWO 9's

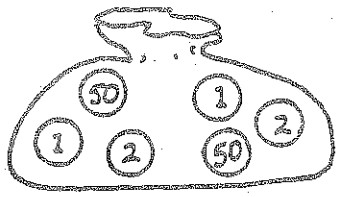
399 is a wrong answer.

669 is a wrong answer

909 is a correct answer

Other correct answers: _____

3. Close your eyes.
Pick out three balls.
Add to get a total score.



52 is a correct answer.

What are the other possible total scores? _____

4. Start at zero
Count by some number
End up at 24

7 is a wrong answer.

8 is a correct answer.

What other numbers could you be counting by? _____

5. BETWEEN 100 and 1,000 - 3 DIGITS

DIGITS MUST ADD UP TO 4

31 is a wrong answer

205 is a wrong answer

301 is a correct answer

121 is a correct answer

Other correct answers: _____