Math Kangaroo Class
Level 1-2

Draw a Picture

Warm Up

MK 2011 # 4

There are 2 boys and 2 dogs and nobody else on the playground. How many legs are there on this playground?

12

Draw a Picture

Math Kangaroo Class
Level 1-2

Draw a Picture

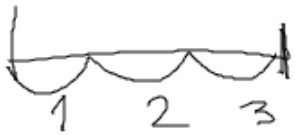
- Often, when the problem doesn't have a picture, it is helpful to draw your own picture.
- Read the problem carefully. Then read again each part, stop and think: "Can I draw a picture of this?"
- If there is a picture already, it may be helpful to add more to the picture.
- Visualizing the problem may help you to see some details that are not obvious.
- When drawing a picture use simple shapes and different colors. On the test instead of colors, you can use thick and thin lines.

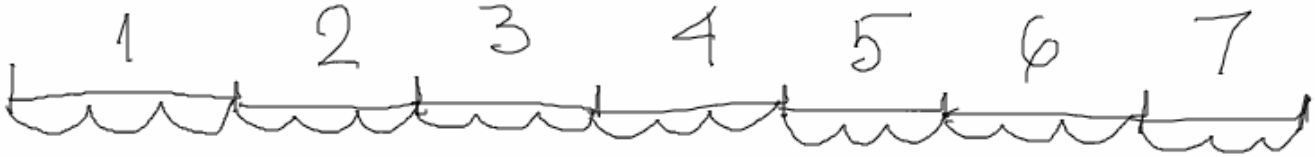
MK 2008 # 6

Math Kangaroo Class
Level 1-2

Draw a Picture

1. The little kangaroo's jump is 3 times shorter than his mother's jump. How many jumps does the little kangaroo need to make to travel the distance equal to seven of his mother's jumps?





$3 + 3 + 3 + 3 + 3 + 3 + 3 = 21$

$7 \times 3 = 21$

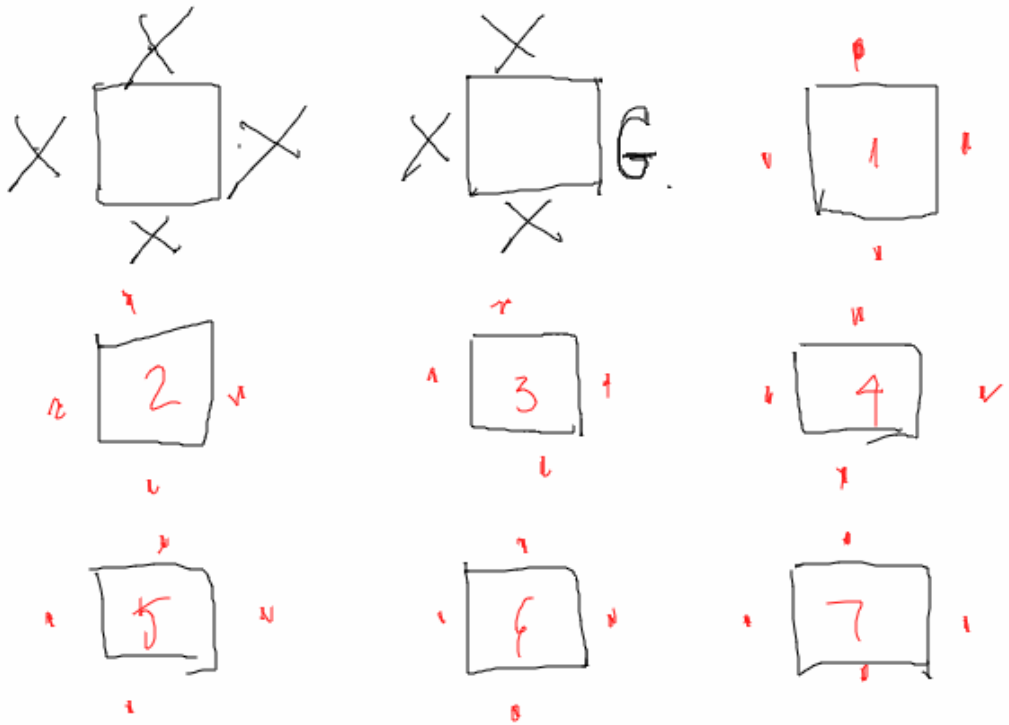
21

Math Kangaroo Class
Level 1-2

Draw a Picture

MK 2010 #13

2. There are 9 four-person tables in the room where Greg had his birthday party. When Greg and all his guests sat down, there were still 7 empty seats. How many guests came to Greg's party?



4 + 4 + 4 + 4 + 4 + 4 + 4

= 28

7 × 4 = 28

28

Math Kangaroo Class
Level 1-2

Draw a Picture

MK 2015 # 16

3. Which piece is missing from the puzzle?

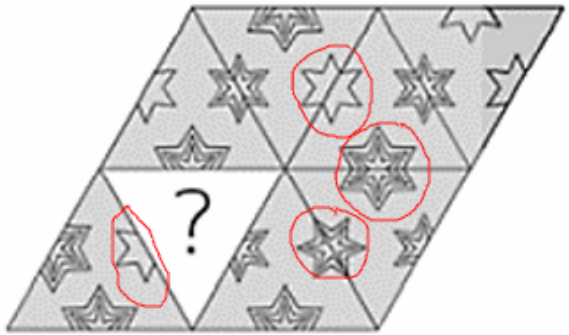
(A)

(B)

(C)

(D)

(E)



MK 2017 # 18

Math Kangaroo Class
Level 1-2

Draw a Picture

4. In Old McDonald's Barn there is one horse, two cows and three pigs. How many more cows does Old McDonald's Barn need, so that the number of all the animals is twice the number of cows?

H C C P P P

H C C C P P P

H C C C C P P P

4

ANIMALS

6

7

8

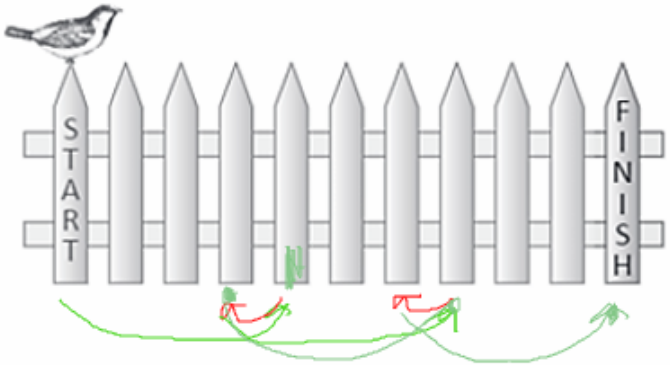
2 C

Math Kangaroo Class
Level 1-2

Draw a Picture

MK 2012 # 18

5. Sparrow Jack jumps on the fence from one post to another. Each jump takes him 1 second. He makes 4 jumps ahead, then 1 jump back and again 4 jumps ahead and 1 back, and so on. In how many seconds does Jack get from START to FINISH?



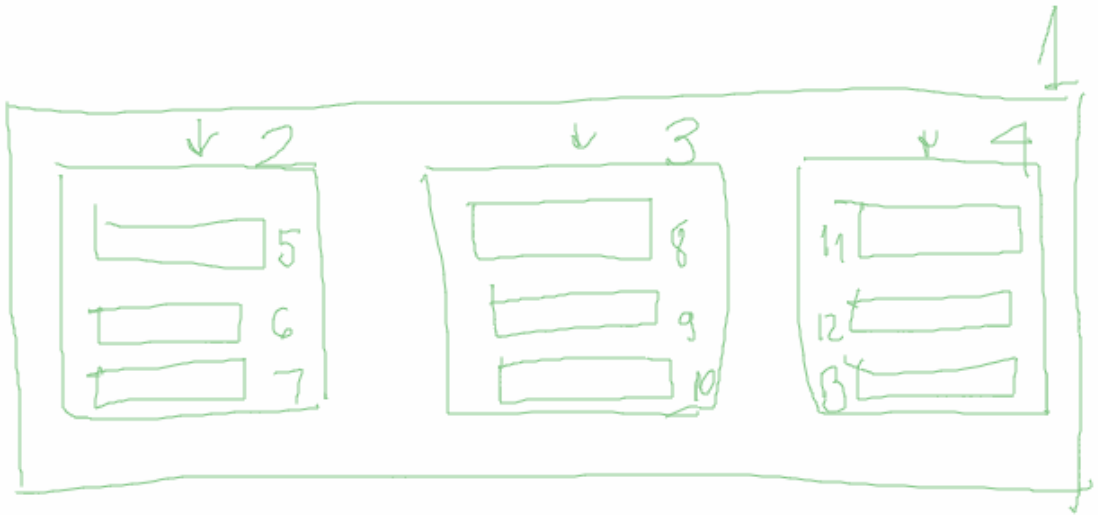
4 + 1 + 4 + 1 + 4 = 14 seconds

Math Kangaroo Class
Level 1-2

Draw a Picture

MK 2012 # 23

6. In a box there are three boxes, and each one of these boxes contains three smaller boxes. How many boxes are there in total?



Math Kangaroo Class
Level 1-2

Draw a Picture

Make Your Own Problem

7. In a box there are … boxes, and each one of these boxes contains … smaller boxes. How many boxes are there in total?

Math Kangaroo Class
Level 1-2

Draw a Picture

Make Your Own Problem

7. In a box there are … boxes, and each one of these boxes contains … smaller boxes. How many boxes are there in total?

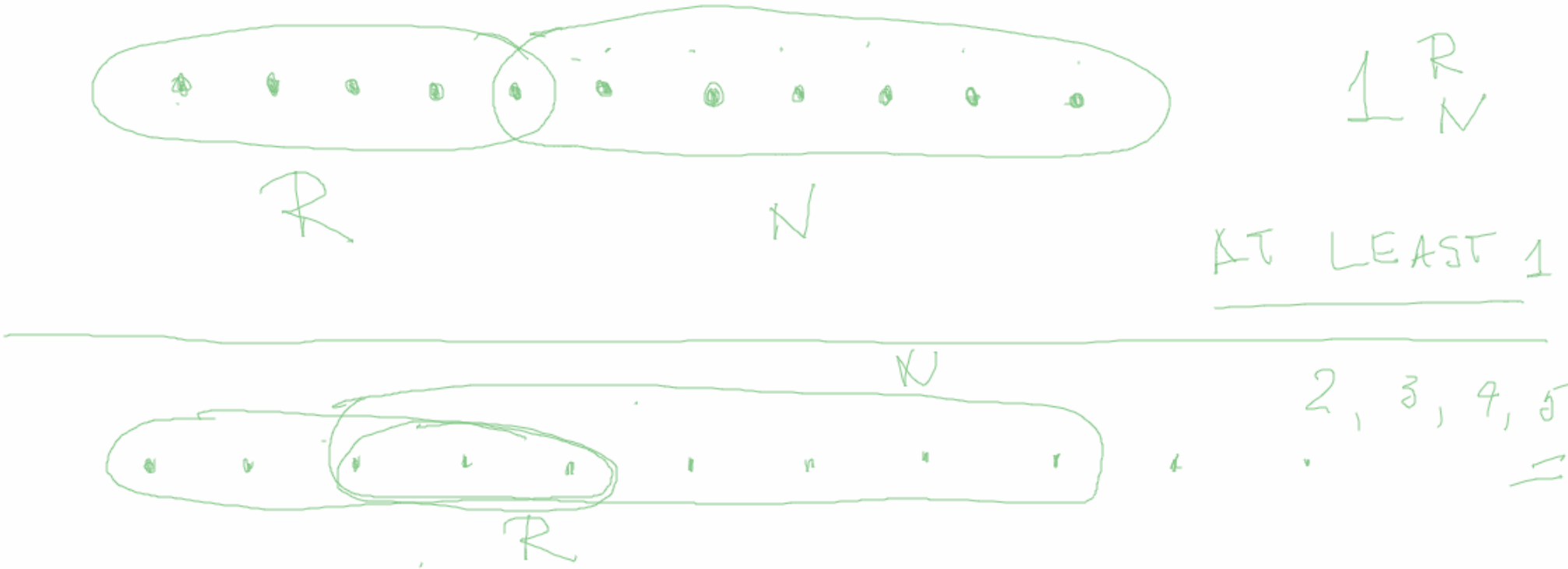
Bonus Question

Math Kangaroo Class
Level 1-2

Lesson 2:
Draw a Picture

MK 2012 # 19

8. Grandmother made 11 cookies. She decorated 5 cookies with raisins and then 7 cookies with nuts. At least how many cookies were decorated with both raisins and nuts?



Math Kangaroo Class
Level 1-2

Draw a Picture

Wrap Up

1. If a question is not illustrated, sometimes it is helpful to draw your own picture or diagram. A visual representation may show details that are not obvious when you just read the question. If there's a picture already, it may be helpful to add to that picture.

2. Pictures and diagrams are also useful for keeping track of the various stages of a problem. Read each part of the question. Pause and add drawings before you move on to the next step.

3. Use simple shapes and stick figures. Do not elaborate on the drawings. Draw to scale according to the description.