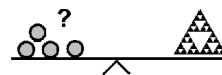


Solutions 2019 - 2nd grade



A-1

$10-9 = 1, 8-7 = 1, 6-5 = 1, 4-3 = 1, 2-1 = 1$, hence $1+1+1+1+1=5$

4	5	6	0	45
	X			

A-2

With 2 tiles you can fill 6 squares. In total there are 18 tiles. Since there are already 2 tiles, 16 tiles are still missing.

16	18	8	12	14
X				

A-3

Only the head and the eyes are not 4-sided figures. Attention: you should not overlook the neck and the body.

15	14	12	11	13
				X

A-4

In each square, the number increases by 6. $20 + 6 = 26$. Number 26 is missing.

28	25	26	24	23
		X		

A-5

- There are 2 round shaped figures. Figure A is not round shaped.
- Figure A is the only one that contains exactly 2 little shapes.
- Figure A is the only one that contains little squares.

A	B	C	D	E
X				

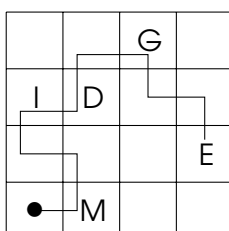
B-1

The largest number on a die is 6. With 2 dice you can roll a 12 in one roll. With 3 dice you can roll an 18 in one roll. For a 19 or higher you need 4 dice.

3	2	4	6	5
		X		

B-2

There is more than one solution. One solution is this:



10	9	11	8	12
X				

2

B-3

One can start from the left: $6 + 2 + 5 = 13$. $2 + 5 + 4 = 11$, $5 + 4 + 3 = 12$.

2	3	4	5	6
		X		

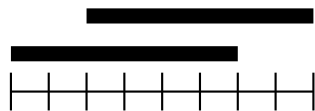
B-4

The bus drives each way exactly two times. Thus it drives $(3 + 5 + 7) + (3 + 5 + 7) = 15 + 15 = 30$ kilometers.

20	30	33	25	23
	X			

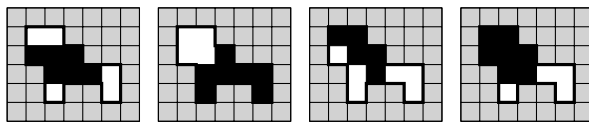
B-5

You can do a drawing. The lower thick bar is the holidays in Spain, the upper the holidays in Italy.



7	9	6	10	8
				X

C-1



1	2	3	4	5
			X	

C-2

$8 + 7 = 15$. Thus the triangle hides 7. $95 - 57 = 38$. The square hides 3.

6	2	5	4	3
				X

C-3

rabbits	parrots	heads	legs
1	7	$1 + 7 = 8$	$4 + 14 = 18$
2	6	$2 + 6 = 8$	$8 + 12 = 20$
3	5	$3 + 5 = 8$	$12 + 10 = 22$

1	2	3	4	5
		X		

There are 3 rabbits.

C-4

This is the quickest possibility for the children to make it to the other side: 3 children are rowing to the other side, one child is rowing back. A drawing or table can help:

1st and 2nd trip 3 children to the other side, 1 child back. 2 children are on the other side, 5 children are left.

3rd and 4th trip 3 children to the other side, 1 child back. 4 children are on the other side, 3 children are left

5th trip 3 children to the other side. All children are on the other side.

7	3	6	4	5
				X

C-5

w is the abbreviation for white, g ist the abbreviation for grey, s is the abbreviation for black. The first letter represents the roof. We write down all possible combinations. gs and sg are not allowed (crossed out). You can make 7 different houses.

ww	wg	ws
gw	gg	gs
sw	sg	ss

3	9	7	6	8
		X		