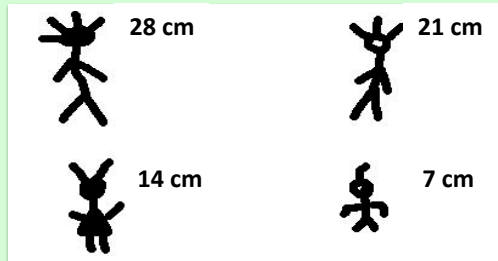


## Worksheet 1

### “The archaeologist Giancarlo”

On the ArAl mountain, in the middle of the desert, the archaeologist Giancarlo has found some graffiti engraved on the rock. He reproduced the incisions on his notebook, writing their heights. This is the page where Giancarlo reproduced the incisions:



Giancarlo’s collaborators discuss a lot on the relation hidden in the graffiti.

Nicola says: “You can find the height of an incision only if you multiply 7 by the number of the tips on its head”.

Battista concludes: “It is evident that , dividing the height of the incisions by 7, you can find the number of tips”.

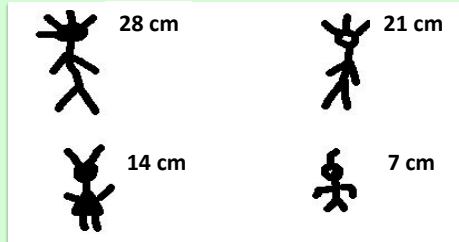
And Paolo: “What are you saying? The number of tips is the result of the division of the height by 7!”.

**(1) What do you think about Nicola, Battista and Paolo’s statements?  
Do you agree with them? Explain why.**

## Worksheet 1A

### “The archaeologist Giancarlo”

On the ArAl mountain, in the middle of the desert, the archaeologist Giancarlo has found some graffiti engraved on the rock. He reproduced the incisions on his notebook, writing their heights. This is the page where Giancarlo reproduced the incisions:



Giancarlo's collaborators discuss a lot on the relation hidden in the graffiti.

Nicola says: “You can find the height of an incision only if you multiply 7 by the number of the tips on its head”.

Battista concludes: “It is evident that , dividing the height of the incisions by 7, you can find the number of tips”.

And Paolo: “What are you saying? The number of tips is the result of the division of the height by 7!”.

**(1)** What do you think about Nicola, Battista and Paolo's statements? Do you agree with them? Explain why.

The height increases always of 7 and the number of tips increases of 1.

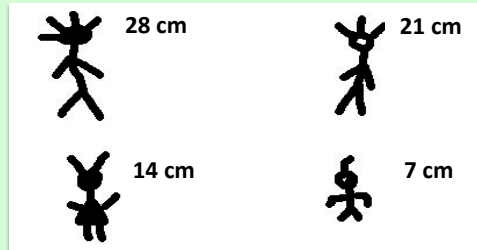
I think there are 7cm more every time.

Two students from another class gave these answers. Do they contradict Nicola, Battista and Paolo's statements? Why?

## Worksheet 1B

### “The archaeologist Giancarlo”

On the ArAl mountain, in the middle of the desert, the archaeologist Giancarlo has found some graffiti engraved on the rock. He reproduced the incisions on his notebook, writing their heights. This is the page where Giancarlo reproduced the incisions:



Giancarlo's collaborators discuss a lot on the relation hidden in the graffiti.

Nicola says: “You can find the height of an incision only if you multiply 7 by the number of the tips on its head”.

Battista concludes: “It is evident that , dividing the height of the incisions by 7, you can find the number of tips”.

And Paolo: “What are you saying? The number of tips is the result of the division of the height by 7!”.

**(1)** What do you think about Nicola, Battista and Paolo's statements? Do you agree with them? Explain why.

The incisions are always the same. ..you must see what is the starting point: the height or the number of tips.

Battista and Paolo say the same thing, that is the opposite of what Nicola says.

In another class two students gave these answers. What do you think about them?