Teacher material ”Animals and their weight” Version 1.0

Material can be found at ”**newmero academy**”: www.newmero.net

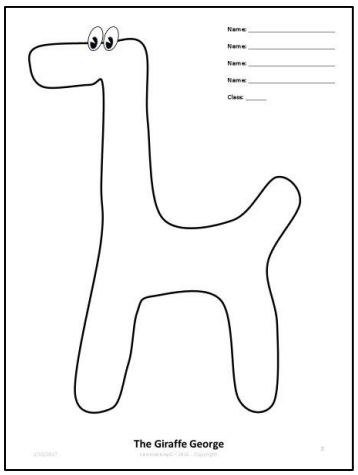
Age: 6-7 years

Purpose of the exercise:
- Develop addition strategies to add numbers – which ones add more “easily”, e.g. 10-friends
- Learn to “split” 10s and 100s when subtracting a small number

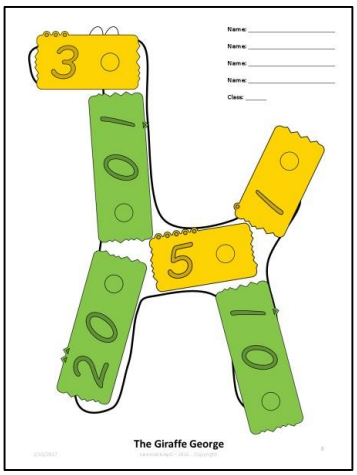
What should the children discover themselves:
- There are several ways to add a set of numbers, e.g. 5+2+3+10+8+20. One could add 10s first, or one could add 1s first
- 10 friends are good to use both when adding or when subtracting (e.g. a 10 can be split into a 3 and a 7, after which one can more easily remove a 7, as in 11-8 which is equivalent to 10-7 or 12-7 which is equivalent to 3+2)

How should the teach be helpful without giving the answers directly:
- The teacher could e.g. limit the set of available bricks, to increase the likelihood that 10 friends are chosen
- The teacher could remove the bricks 5, 6, 7, 8, 9 to limit the likelihood that there will be a carry when adding small numbers

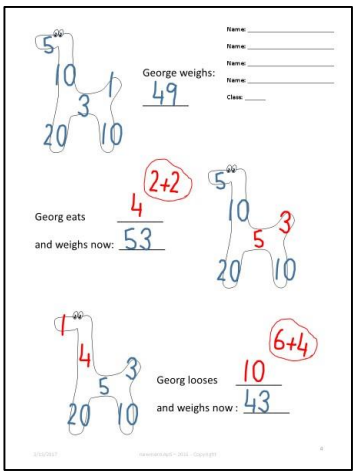
Which material should be used for the lecture:
- Some yellow bricks (1s) and/or some green bricks (10s)
- Some printouts for distribution – The “Pupils material” pages
- A smartboard/large screen could be used to show the following pages and how the children should complete the “Pupils material” pages



The drawing …



.. should be covered with bricks



.. and a small story changes the use of bricks

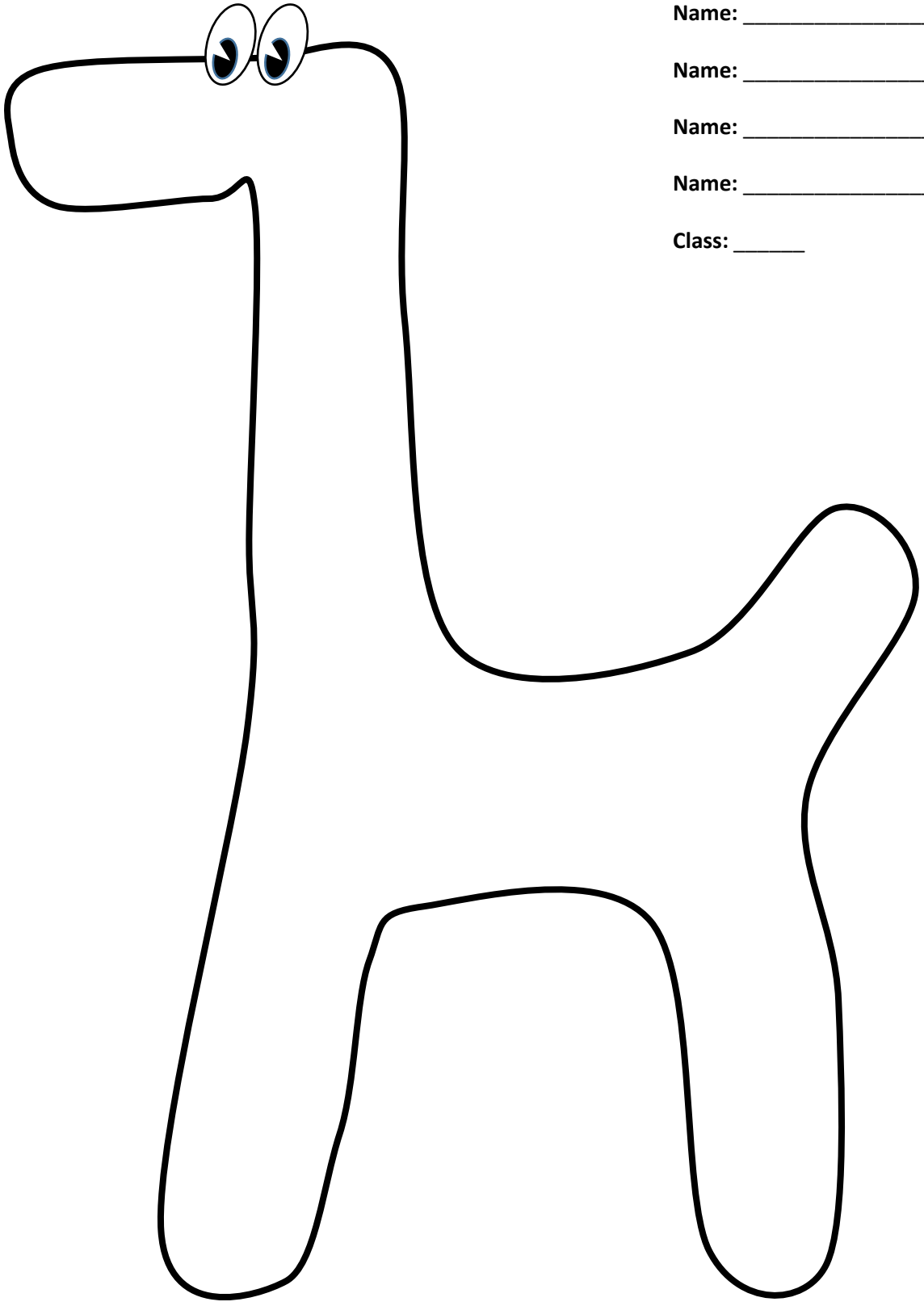
Name: _____

Name: _____

Name: _____

Name: _____

Class: _____



The Giraffe George

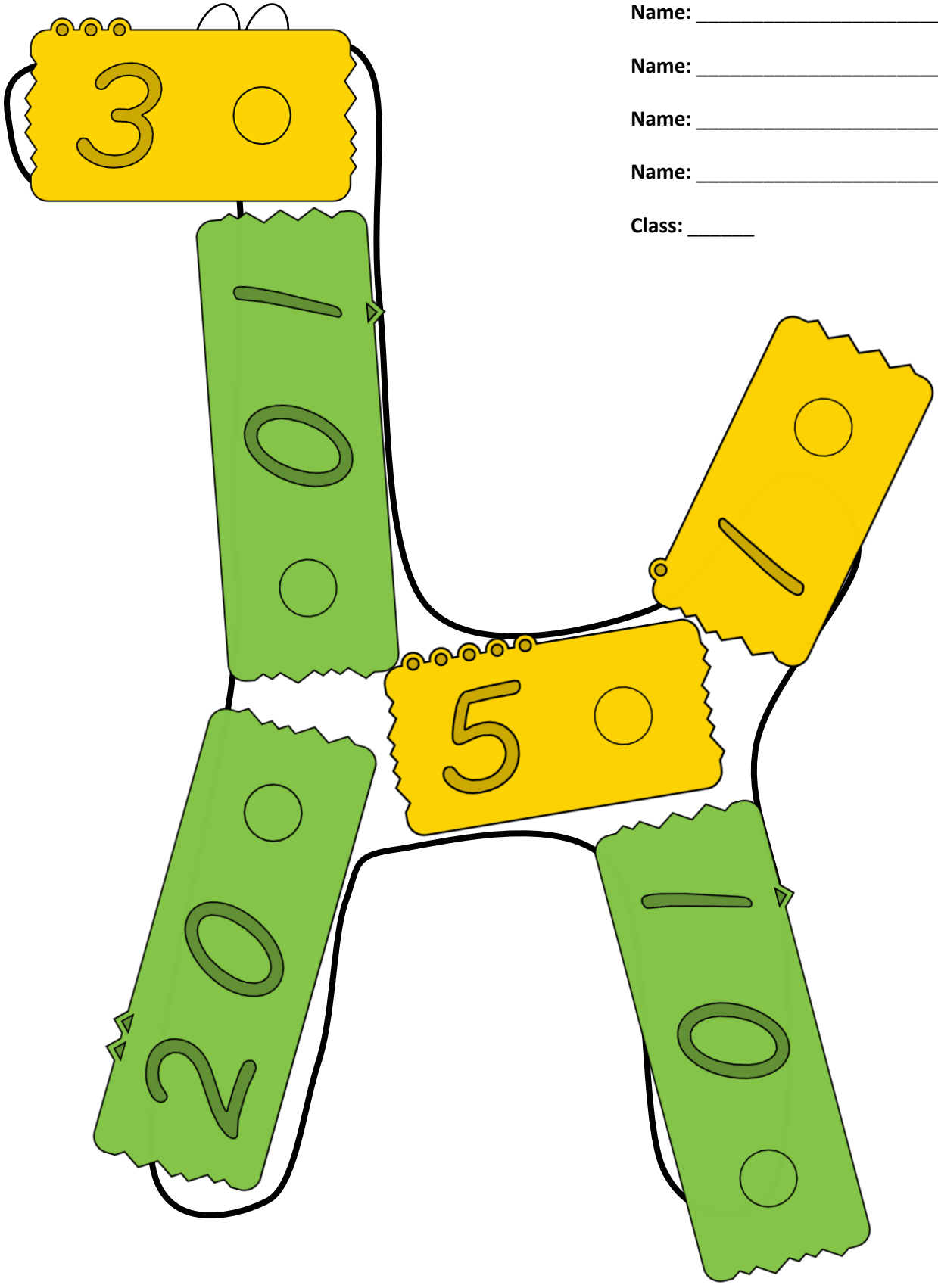
Name: _____

Name: _____

Name: _____

Name: _____

Class: _____



The Giraffe George

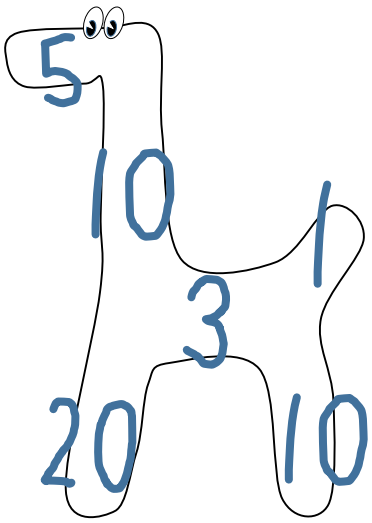
Name: _____

Name: _____

Name: _____

Name: _____

Class: _____

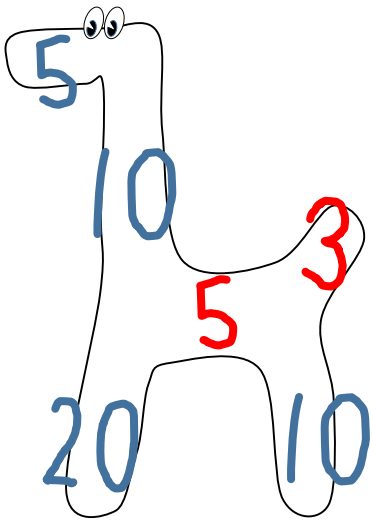


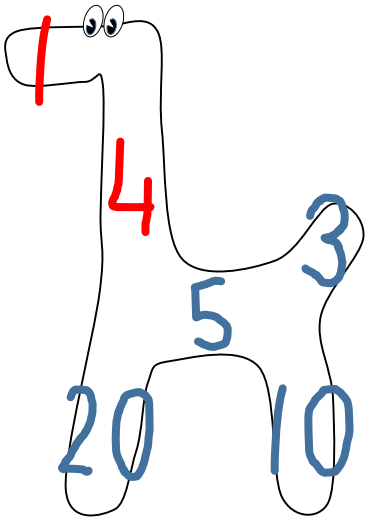
George weighs: 49 _____

Georg eats 4 _____

and weighs now: 53 _____

2+2





6+4

Georg looses 10 _____

and weighs now : 43 _____