Home learning 1R maths

Multiplication

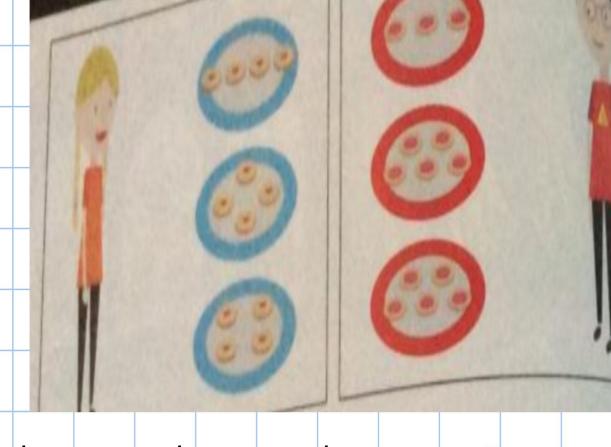
Look at the two groups.

Who has made

equal groups

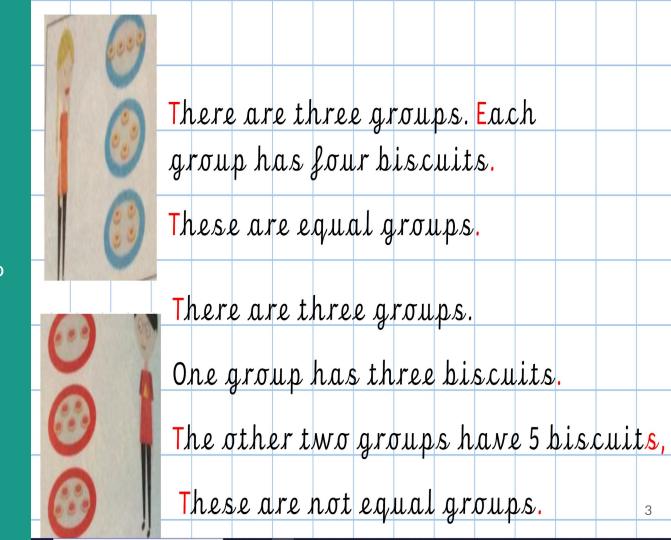
Sally or Sam?

Explain your answer.

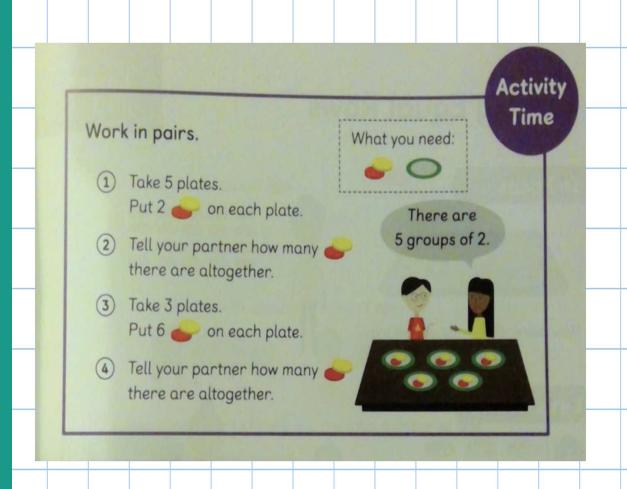


Who has made equal groups?

Allow children to explain similarities and differences in groups. Then they need to explain who (Sally or Sam) did make three equal groups.



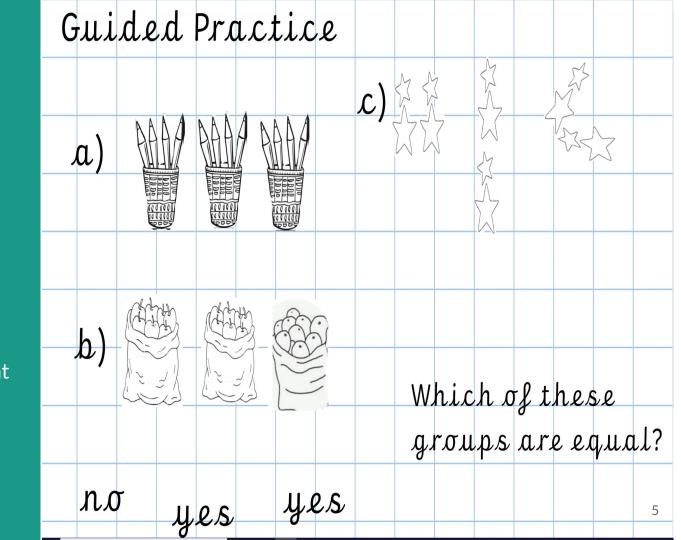
We used paper plates but circles drawn on the floor with chalk, pieces of paper, dishes could be used. The important thing is that they get an opportunity to practically make equal groups.



Show children the groups.

Discus which groups have equal quantities which do not

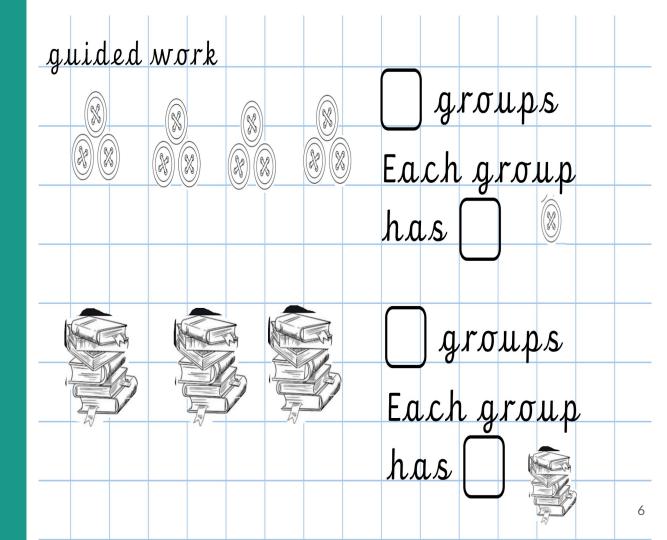
The important aspect is that they understand the language equal means exactly the same.



So, now it gets trickier!

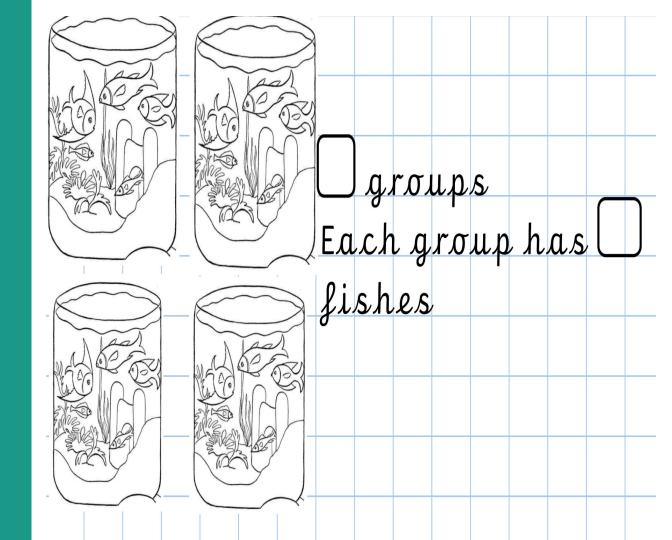
Children draw each group, as it is guided talk the children through what they are doing. Copy the writing filling in the squared values.

We are getting there!!!

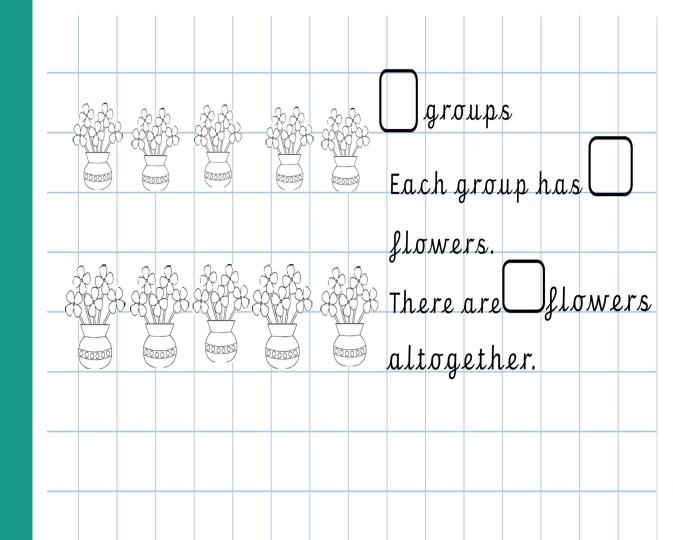


So now this is independent! If children have grasped all concepts they will do this easily if not go back and revisit previous sessions.

Children draw the equal groups (fish tanks and fishes) then write the corresponding sentence.

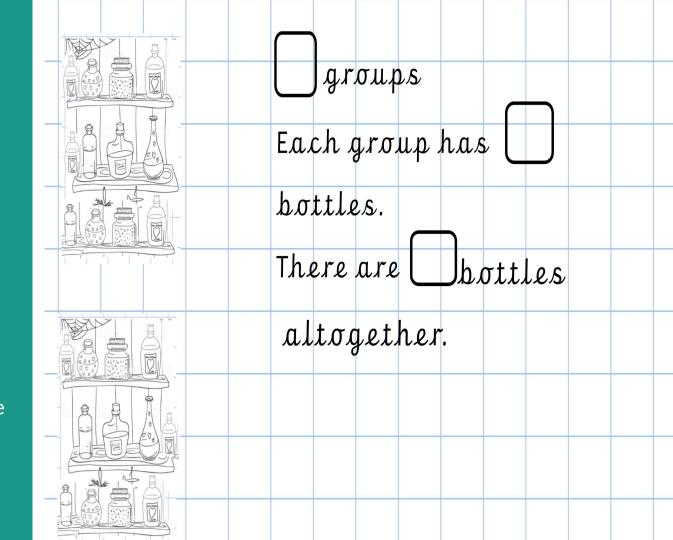


Just let them run with this now!!! (hopefully!!!)



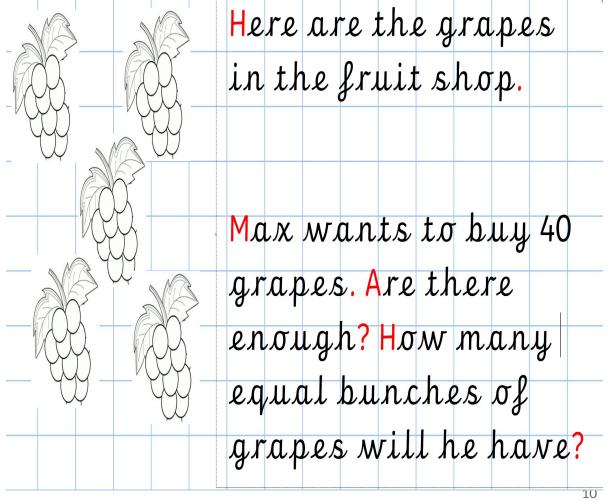
So now it should just come naturally so let's push them further!

Once complete ask them to draw a part whole model that represents the equation. Tell them 12 is the whole number



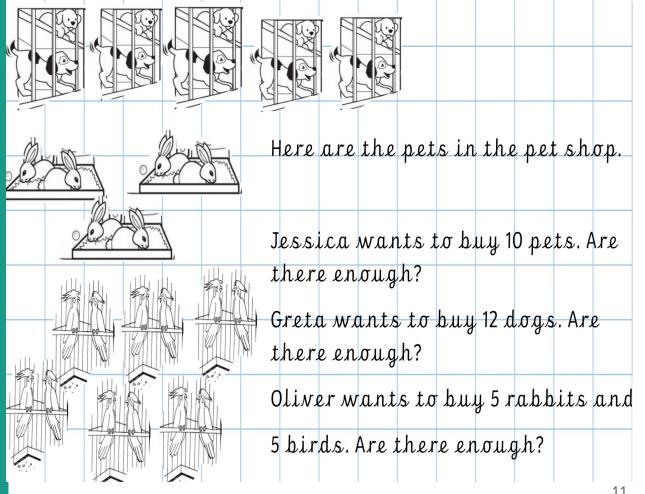
Now they have the basis, they can count in 10's they can make equal groups so can they apply what they know independently?

Give them this they can read it, it promotes reading for meaning can they explain/ draw how to find the answer?

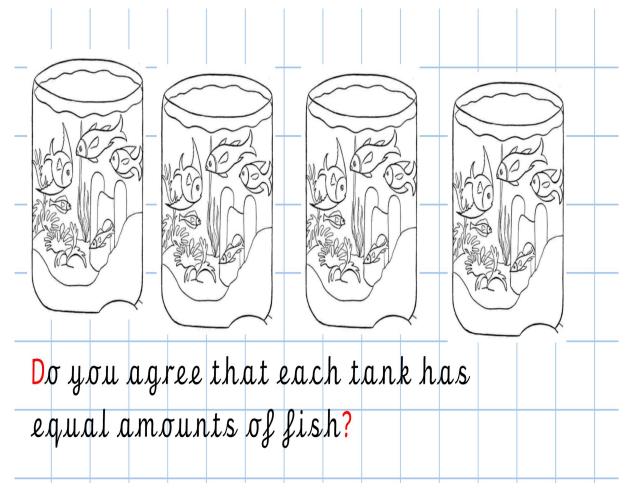


Well you little clever clogs do this then!!!! And of course you do not need help to do it you need to show us how you did it with drawings or calculations.

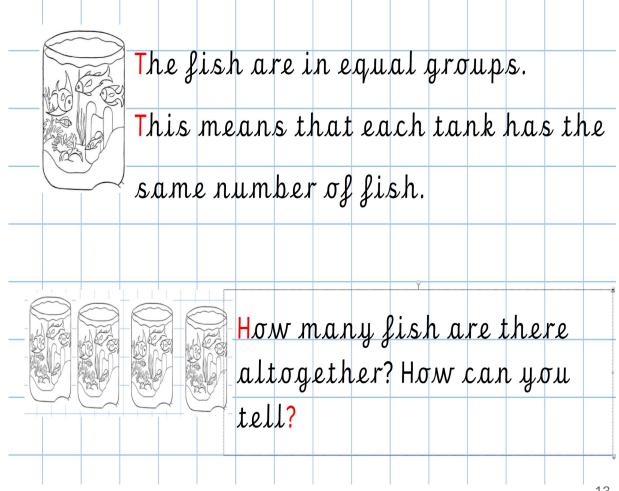
Eg 14 lots of 2 = 28 Jessica wants 10 pets. 28 is more than 10, yes there are enough.



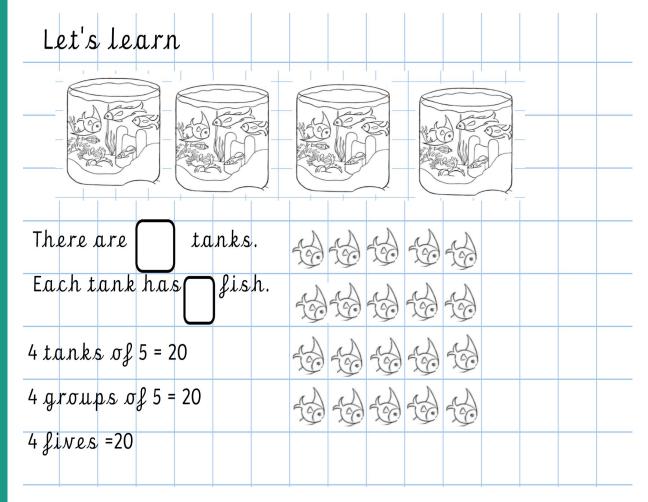
This is just a revision make sure they recall their session yesterday. Quick discussion.



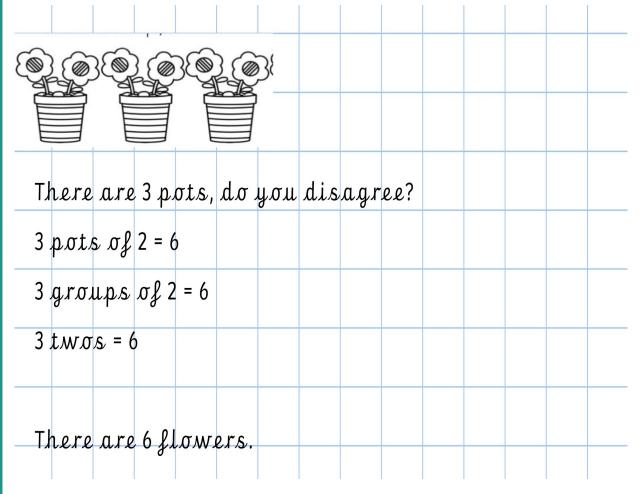
Again quick discussion, are they secure with the language equal



So now we are teaching our lambs to understand the language equal and understand equal is the beginning of multiplication. When they are talking about 4 groups of 5 they find this annoyingly difficult-preserve, please.

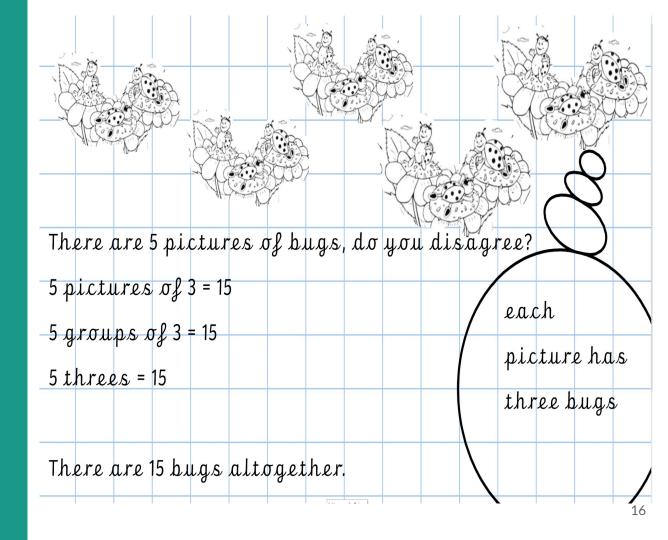


Talk this through make the groups see the groups understand them.

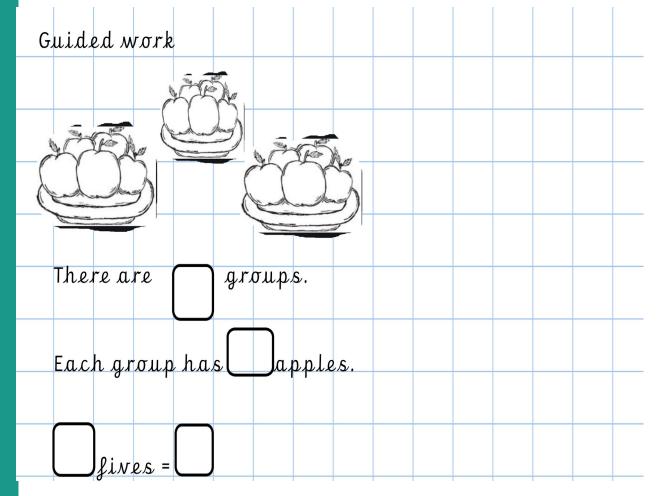


Ask children to explain what they can see. How many groups are there? Are they equal, how do you know? How many bugs are there altogether? Explain how you know....

If they say five lots of 3 is 15 you have smashed it!!!!

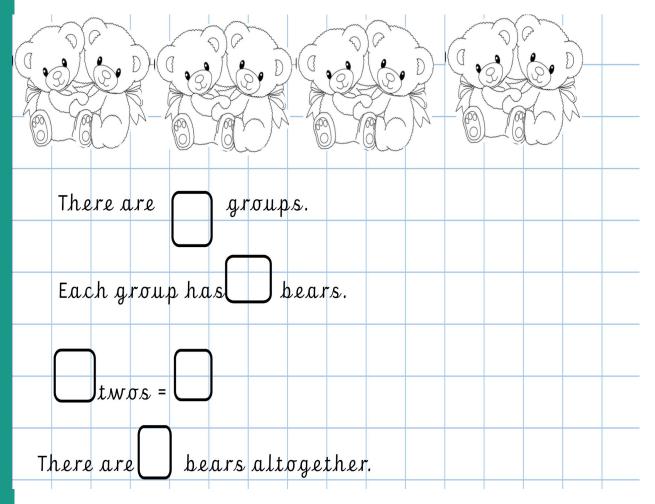


Discuss model writing the sentence explain the sentence and get them to discuss their ideas too.
Children draw and copy sentences.

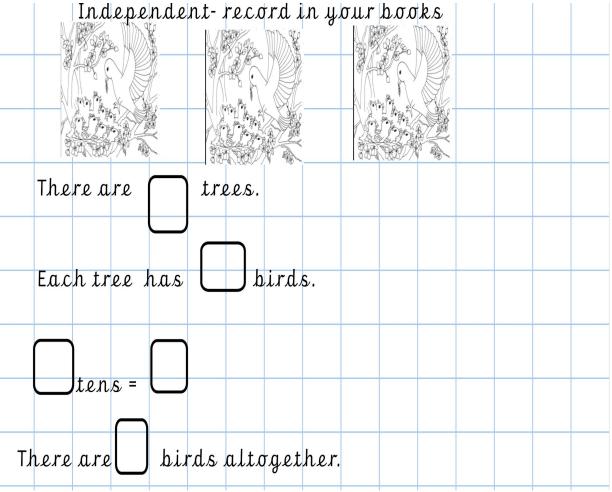


Independent - no help!

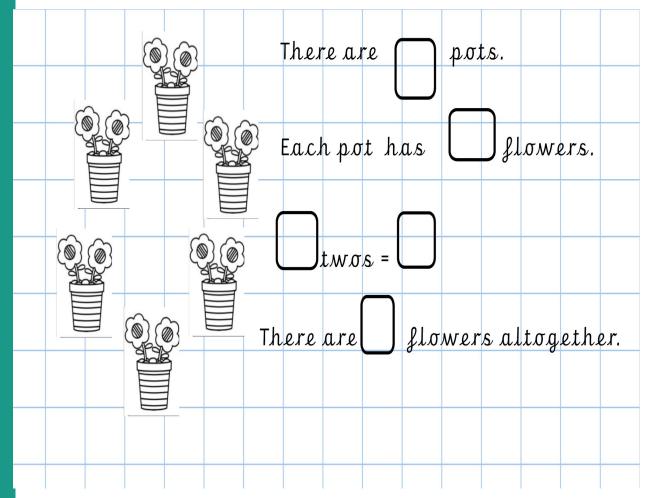
Children draw bears write sentences.



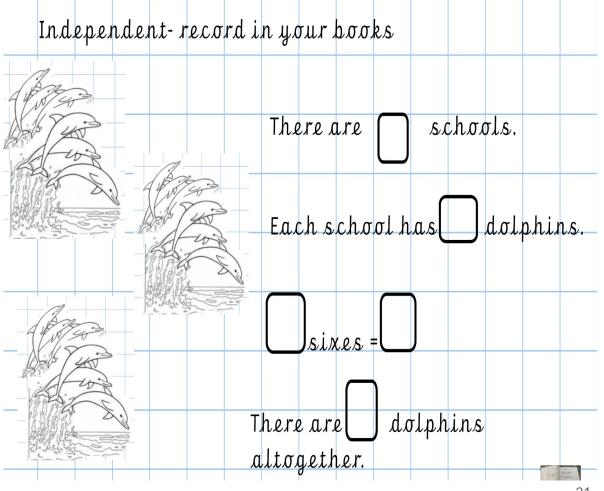
Again another task to be completed independently.
Good luck lambs, I know you can do it!!!!



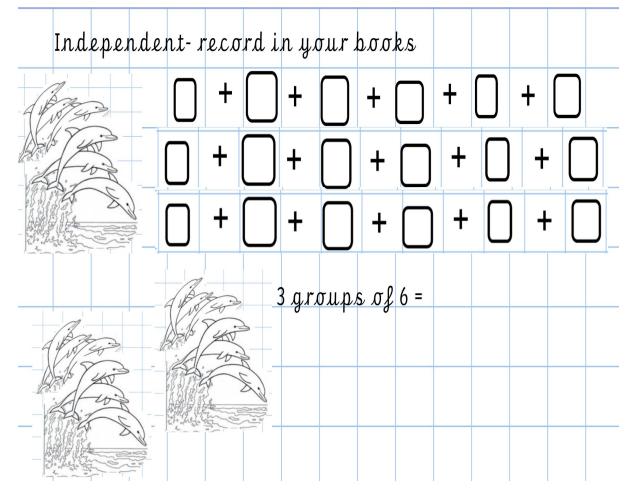
Keep going-pleas draw a bar model to show this calculation too.



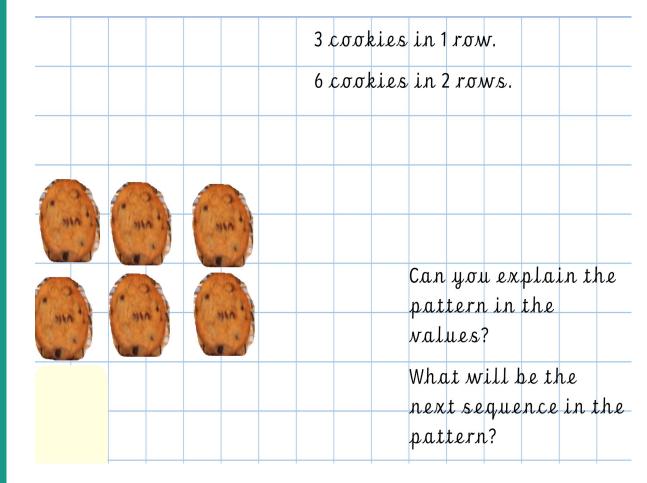
Remember this????



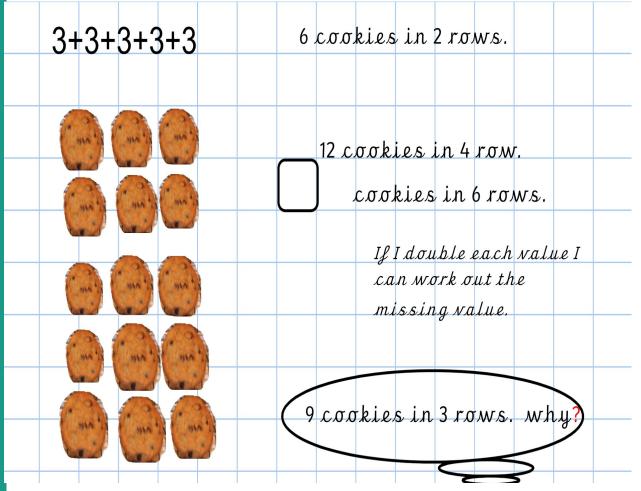
Discuss this. What value do you think goes into each square? (1) Why? (there are 6 squares one for each dolphin, in each school) 1+1+1+1+1+1=63 lots of 6 = 18



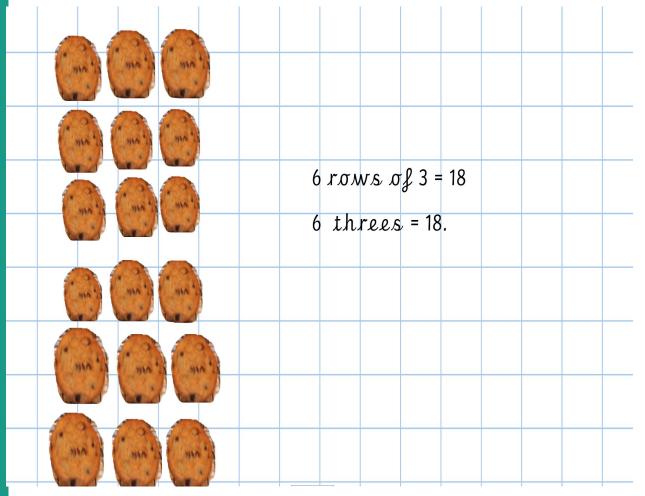
So now they are beginning to identify the patterns in numbers as they make equal groups.



Here we need to talk to the children about repeated addition. It is the beginning of them identifying and using doubling but they don't know it yet! (bless!)

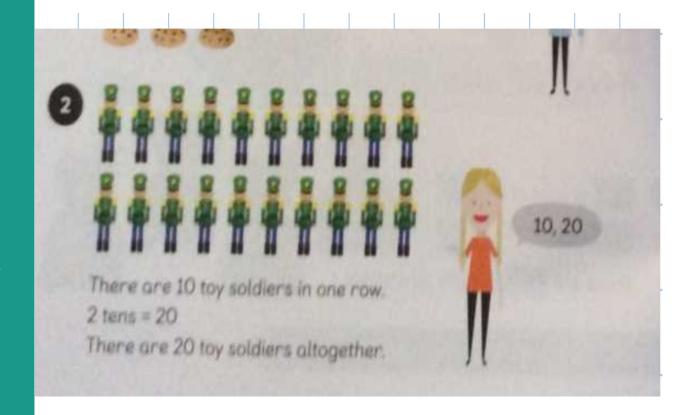


Clarify their thinking ensure they understand
repeated addition. In
addition they now need to
understand there are 6
groups of three
3+3+3+3+3+3=18

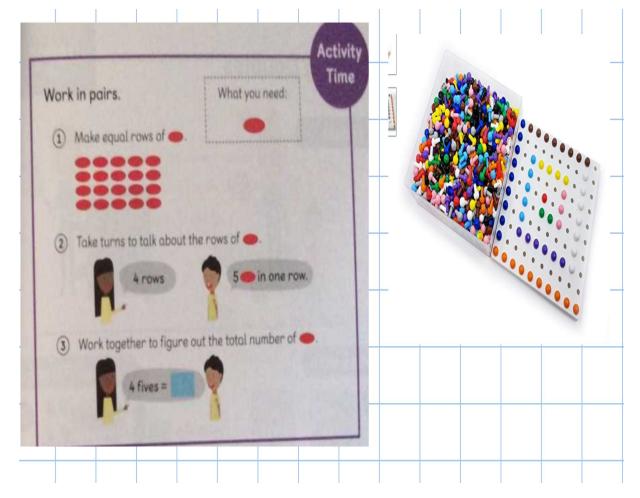


So now lets put the same idea into another concept. How many equal groups are there? (2) how many soldiers in each group? (10) 2 lots of 10 equals 20

10 + 10 = 20

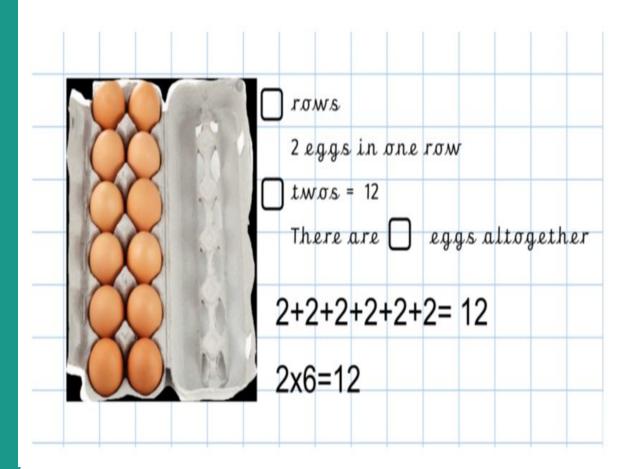


Its so important that child get the opportunity to manipulate equipment. Let them make these groups (arrays!!!) give them different values (multiples of 18,8, 15, 25, 5,100) make groups (arrays of 2,5, 10's)



Hey up! How far have they come???? I love their enthusiasm and desire to learn! Guys you are amazing!!!

Discuss the x sign. Please.

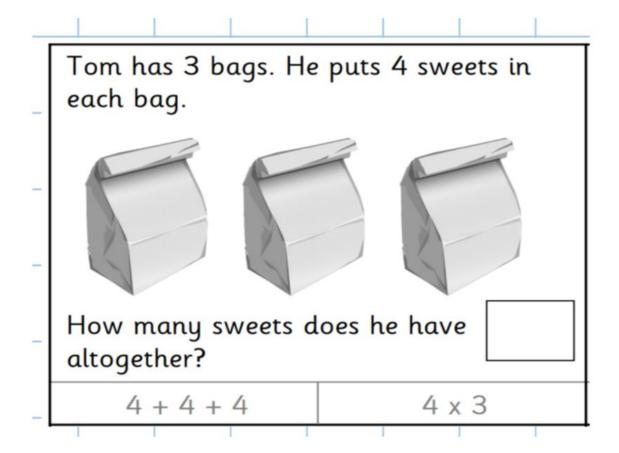


Draw the donuts write the sentences and write the extended calculations too (repeated addition) then the x sentence if understanding it.



Get children to draw the sweets record as in previous sessions. How many groups?

3 lots of four equals etc



Get children to draw the fish record as in previous sessions. How many groups? 2 lots of seven equals etc

7+7=







