

Dr Fog Presents

Pairs and Doubling

Year 1 (National Numeracy Strategy)
(Based on DFEE Sample Lessons)



Resources

- 1 - 12 number cards for each child.
- Large dice



Mental Learning Objective

- Learning doubles of numbers to ten.



Mental Learning Task

- Can any one sing this song?

The Animals

Went in

Two by Two



Mental Learning Task

- Today's lesson is about pairs or doubles, just like the animals in the ark.
- To start with there were no animals in the ark.
- What number means none?



Mental Learning Task

- What were the first animals to go inside?
- How are now inside?
- Two animals or a pair.



Mental Learning Task

- What came next?
- How many now do we have?
- We have 2 pairs of animals.



Mental Learning Task

- Keep going with this list...

Pairs	Animals
0	0
1	2
2	4



Mental Learning Task

- If we know how many pairs are inside, we can double the number to find the total.

Pairs	Animals
0	0
1	2
2	4



Mental Learning Task

- What numbers are missing from the Animal list?

Pairs	Animals
0	0
1	2
2	4



Mental Learning Task

- The missing numbers are called 'odd numbers'

Pairs	Animals
0	0
1	2
2	4



Mental Learning Task

- The 'Animals' numbers are called 'even numbers'

Pairs	Animals
0	0
1	2
2	4



Mental Learning Task

Odd	Even

- Write down some odd and even numbers you know.



Mental Learning Task

Odd	Even

- Numbers in pairs are called 'Even' numbers.
- The other numbers are odd.



Mental Learning Objective

- Learning doubles of numbers to ten.



Main Learning Objective

- I understand the relationship between doubling and halving.

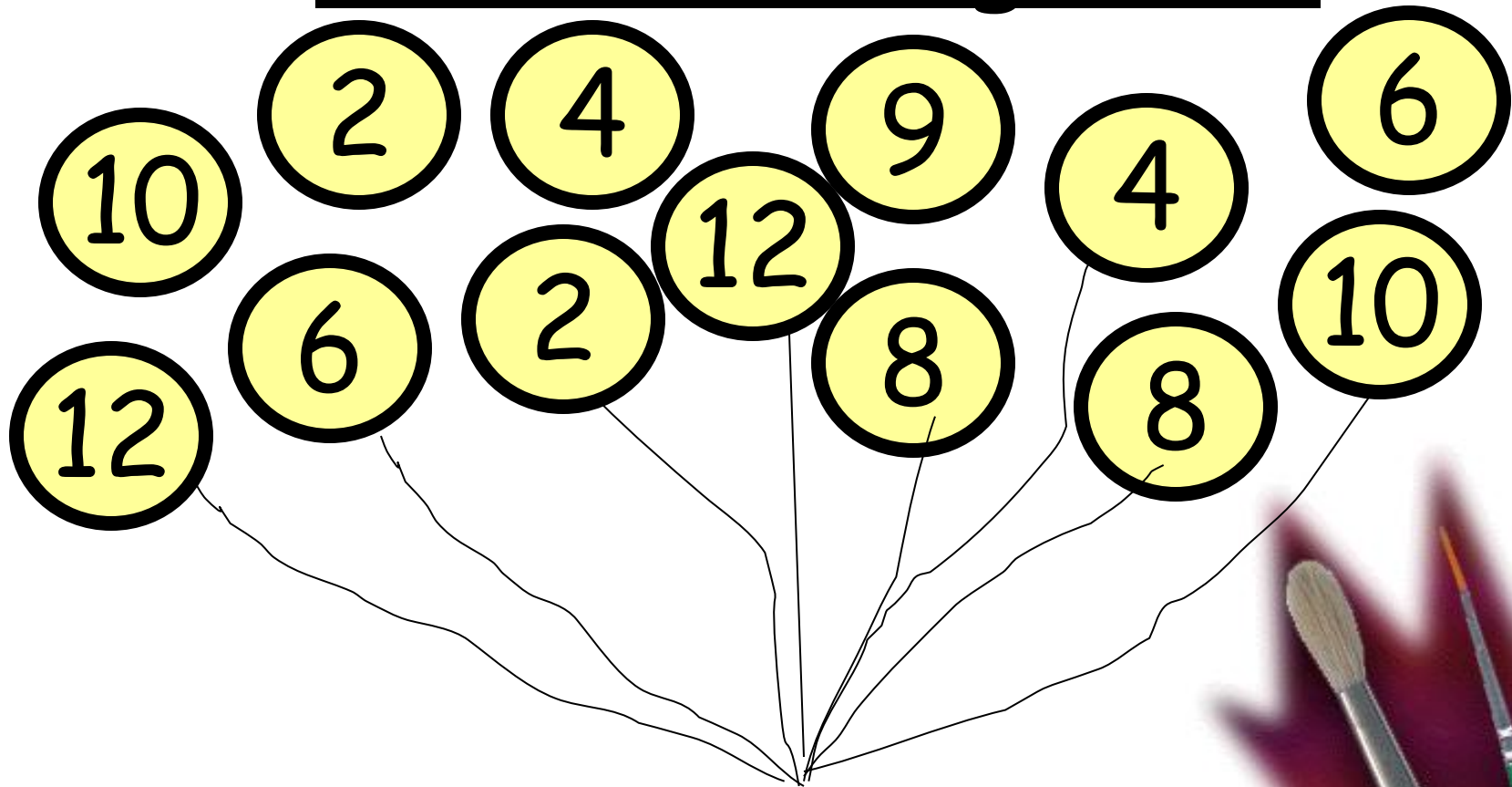


Main Learning Task

- Today we are going to work as a class.
- Everyone needs a set of 1-12 number cards...
- You will have to give the double of the number thrown on a dice...

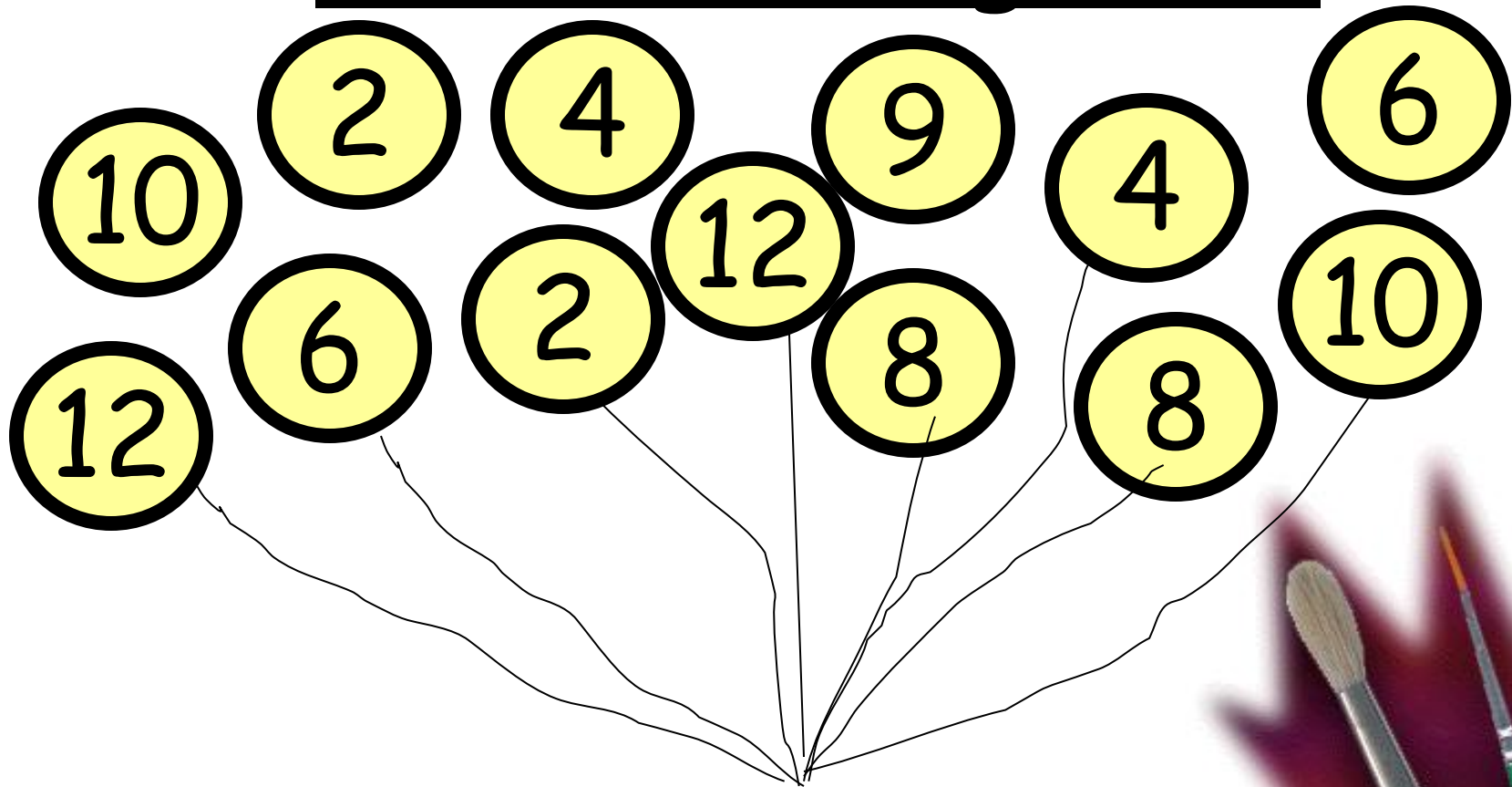


Main Learning Task



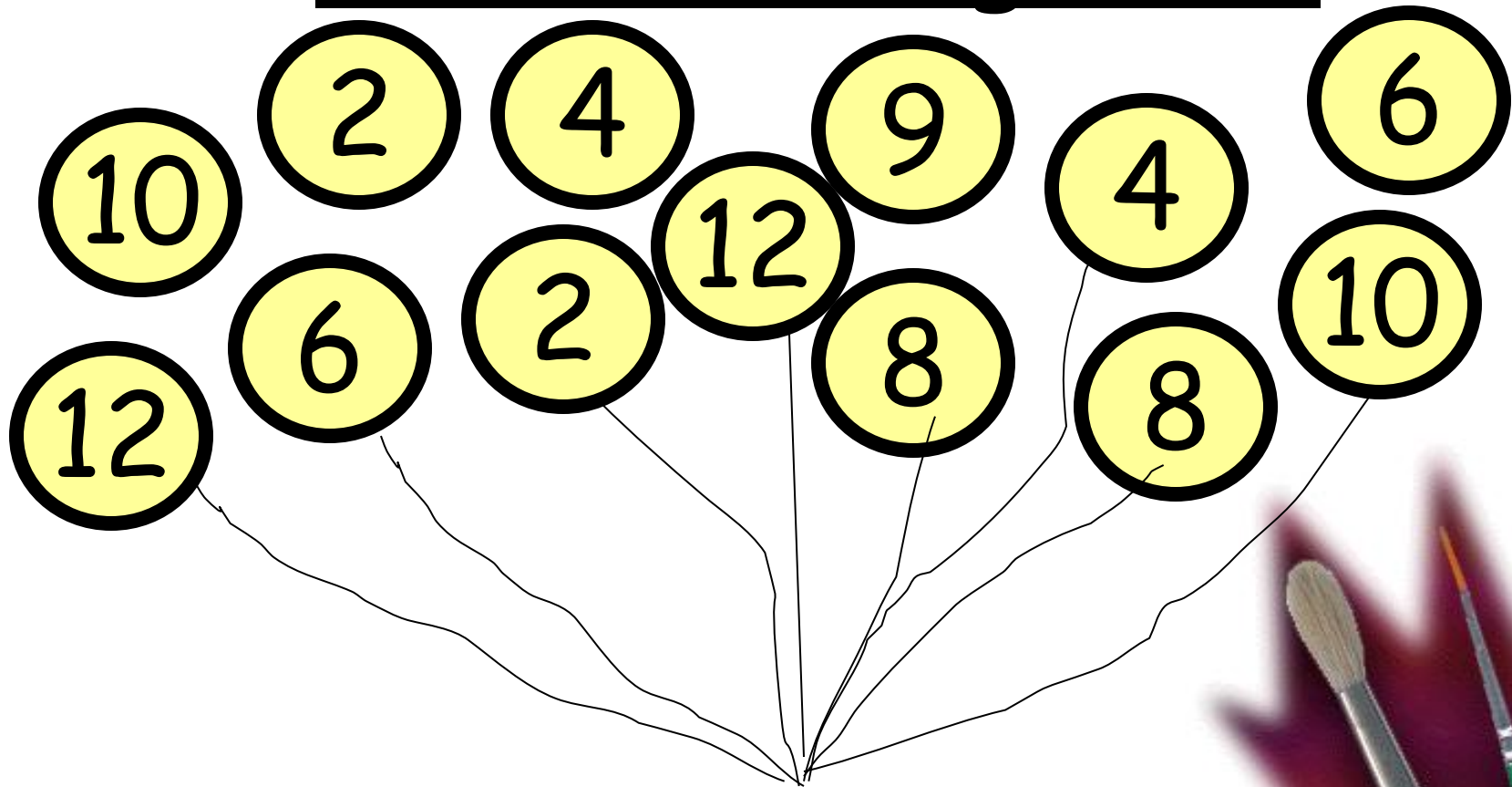
- Roll a dice.

Main Learning Task



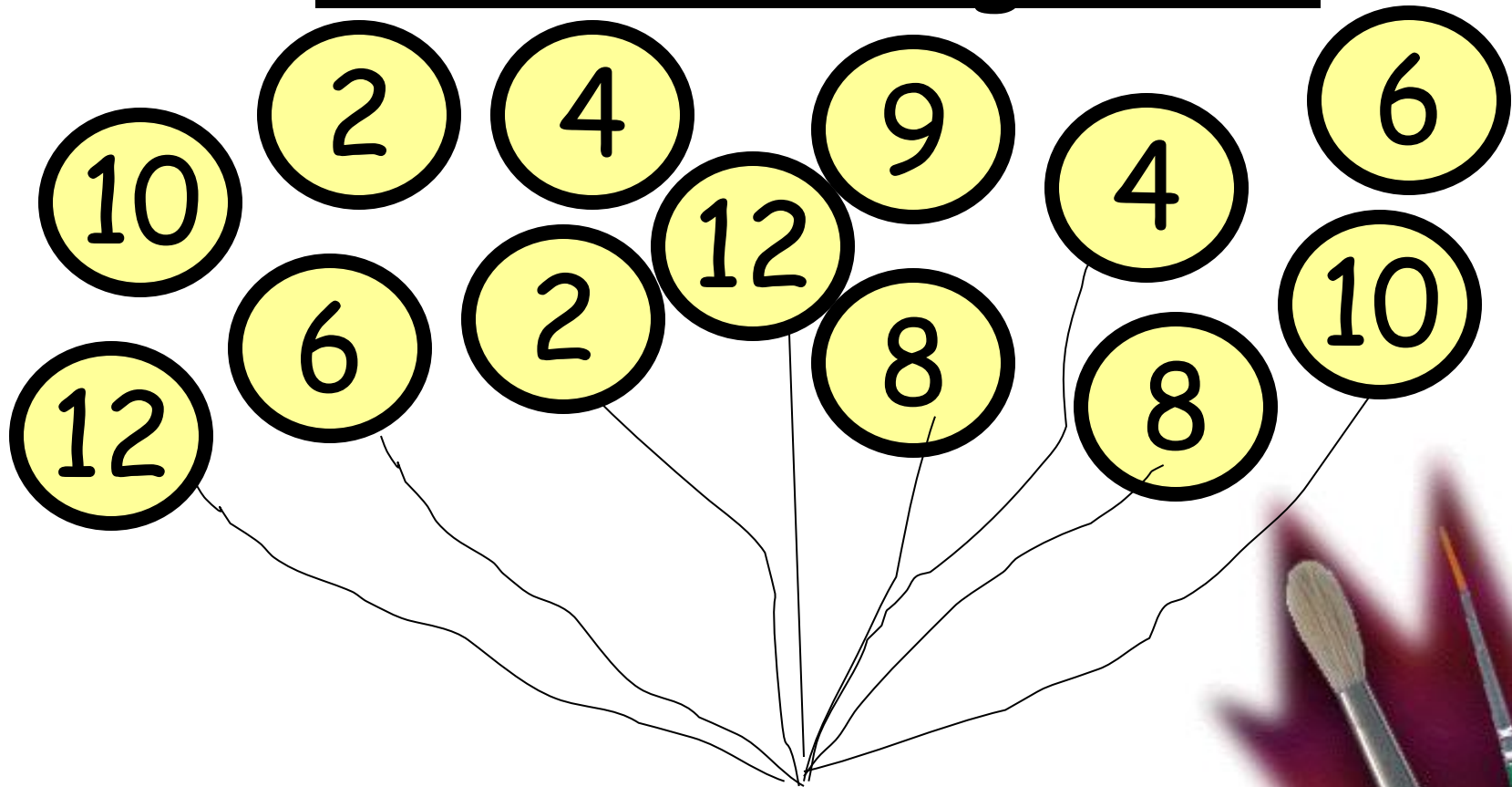
- Call out a number.

Main Learning Task



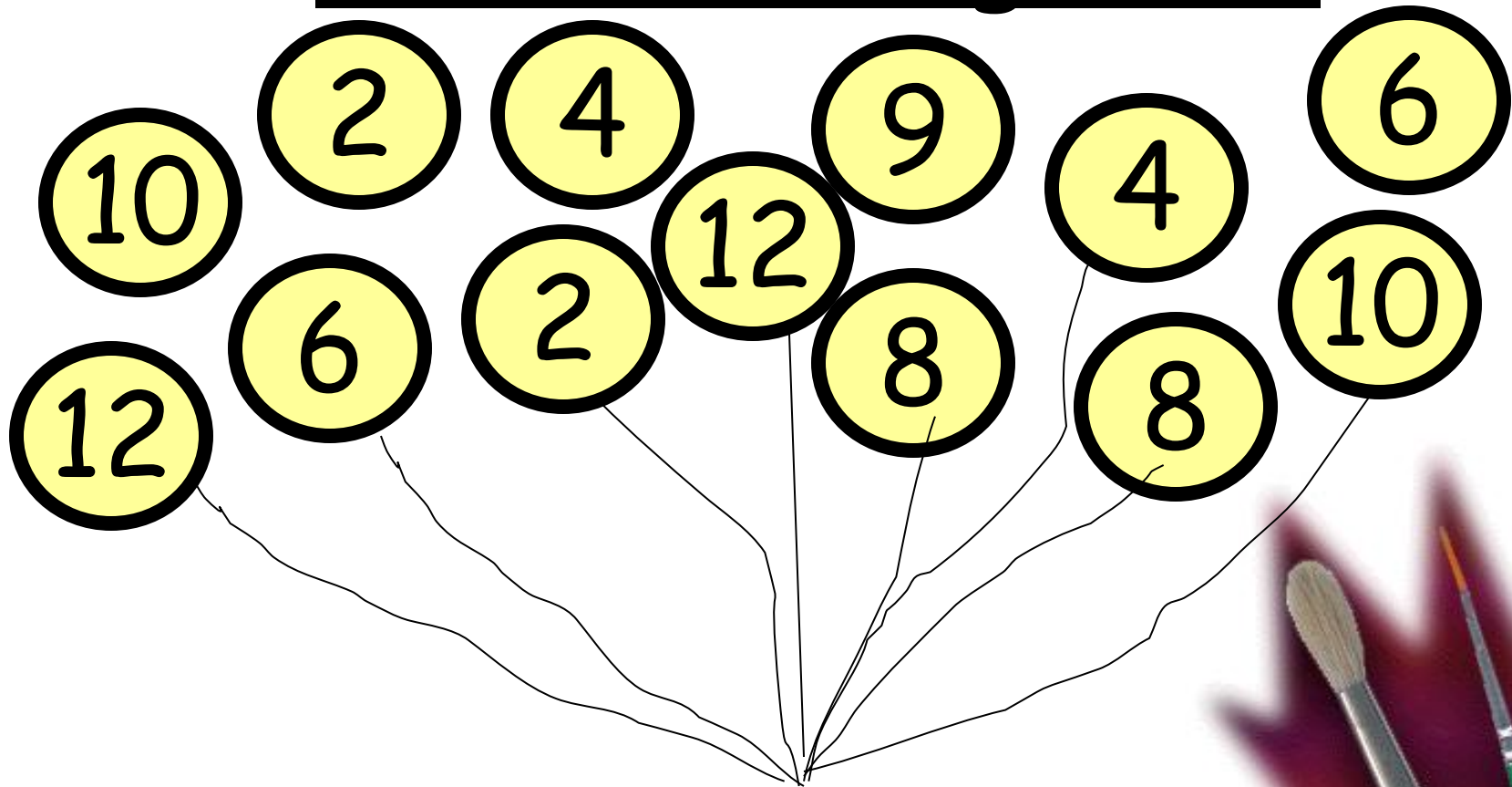
- Ask a child to cross out that balloon.

Main Learning Task



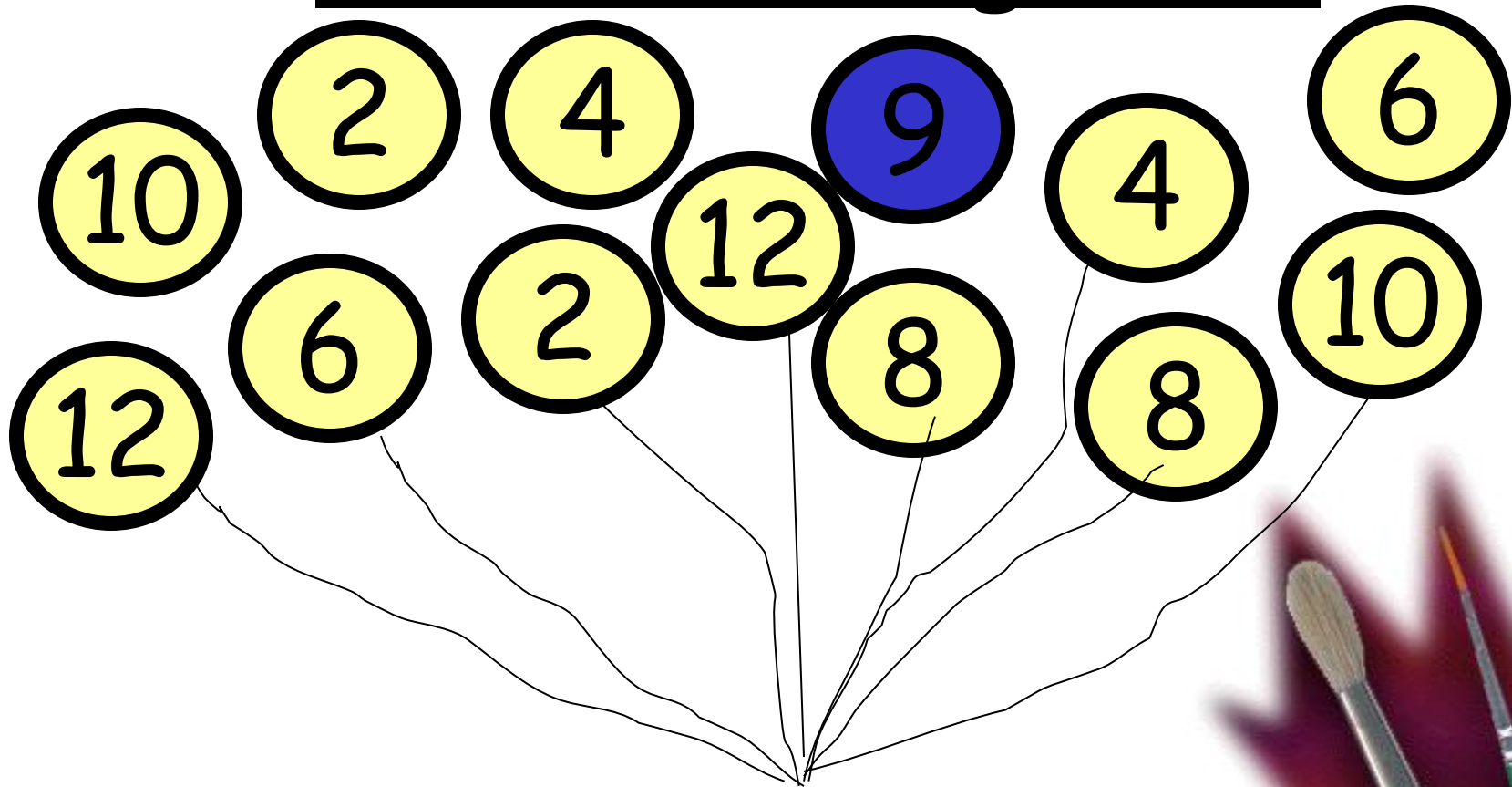
- Keep crossing out balloons.

Main Learning Task



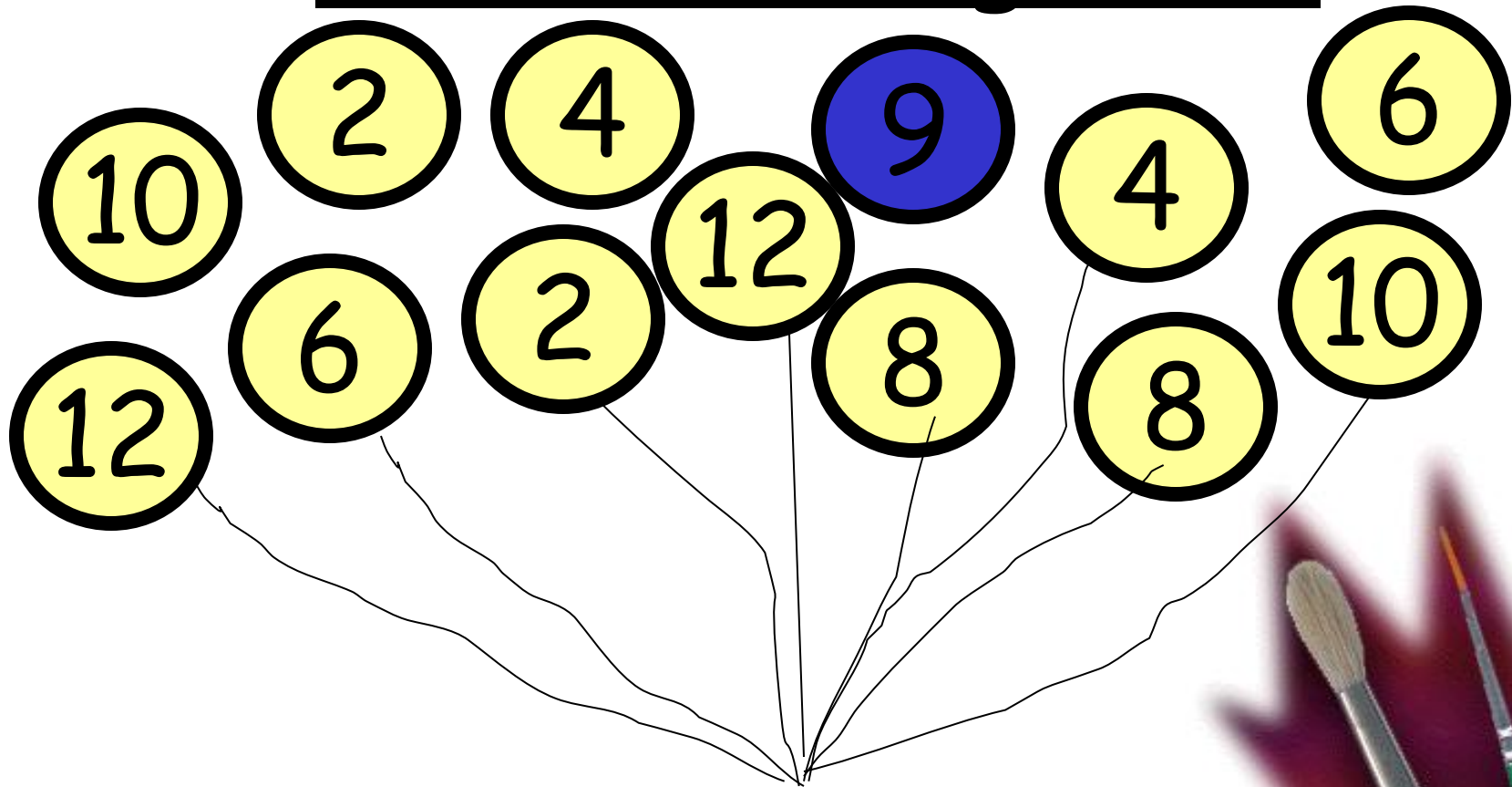
- Which balloon is not crossed out?

Main Learning Task



- Which balloon is not crossed out?

Main Learning Task



- What number would we need to double to get 9?

Main Learning Objective

- I understand the relationship between doubling and halving.



Plenary

- What dice number did we have to double to make 6?
- We doubled 3 to make 6.
- If we half 6 we get three.



Plenary

- What is double 5?
- What is double 10?
- What is double 100?
- What other doubles are there?



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