Dr Fog Presents

Instant recall of Subtraction Bonds

Year 3 (National Numeracy Strategy) (Based on DFEE Sample Lessons)
Resources

- Sets of 0 - 20 Number Cards or Number Fans.
- Two 1-20 dice
- Individual Number Lines (Optional)
Mental Learning Objective

• I can use and spell subtraction vocabulary.
Mental Learning Task

- Today we are going to think about words about subtraction.
Mental Learning Task

- What words do you know about subtraction?
- Write them on the board.
Mental Learning Task

- Can anyone use these words to make number sentences?
Mental Learning Task

• In pairs write down a number sentence using any of the words or phrases on the board.

• Read out your examples to the class.
Mental Learning Objective

• I can use and spell subtraction vocabulary.
Main Learning Objective

• I can find the difference between two numbers under 21.

• I can investigate problems involving differences.
Key idea

I can generalise and I can check my generalisations.
Main Learning Task

• By the end of the year you should know all of your addition and subtraction facts up to 20 in your head.
Main Learning Task

• Today we are going to practise subtractions.

• I want you to answer the questions as quickly as you can.
Main Learning Task

• Your teacher will roll two 1 - 20 dice and call out the numbers.

• Show the difference between these two numbers with your number fans.

• Your teacher will keep the pace fast!
Main Learning Task

• Today we are going to look at an investigation involving difference.

• Look at this grid.
Main Learning Task

- Can you give me 4 numbers to write on the grid.
Main Learning Task

- Write down the difference between each neighbouring yellow box in the blue box.
Main Learning Task

• Put a ring around differences which are odd numbers.
• How do we tell if a number is odd or even?
Main Learning Task

• Everyone is now to work in pairs.
• Children must arrange any four numbers on a similar grid so that the differences are all odd.
Main Learning Task

• Simplification:- Suggest the children work with numbers below 10.

• Challenges:- Find another solution that works.

• Try the same investigation on a 3x3 grid.
Main Learning Objective

• I can find the difference between two numbers under 21.

• I can investigate problems involving differences.
Plenary

- Can a volunteer who has completed the grid come to the board and show their grid.

- Has anyone found a different solution?

- What general rule is there?
Did anyone realise that every odd number needs to be next to an even one?

Let's find some more solutions and see if they fit this rule.

How did you solve the differences?
Plenary

• Which pairs did you just know?

• Which pairs of numbers were not easy to remember?

• Why not?

• If you are subtracting 9 from a number, how might you do it?

• Is there any other method?
Review of Key Idea

• I can generalise and I can check my generalisations.

• Did you learn this this lesson?
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