

Dr Fog Presents

**Putting the
larger number
first when adding.**

Year 2 (National Numeracy Strategy)
(Based on DFEE Sample Lessons)



Resources

- 0-20 Number cards (several sets)
- Several dice showing numerals 1-6 (not spots)
- 1 - 50 Number Grids.



Mental Learning Objective

- I can understand how to add.



Mental Learning Task

- Today you are going to learn about a way to help you when you are adding.



Mental Learning Task

- Do the calculation in your head.

$$14 + 7$$



Mental Learning Task

- Do the calculation in your head.

$$2 + 16$$



Mental Learning Task

- Do the calculation in your head.

$$16 + 2$$



Mental Learning Task

- How did you work it out?
- Did anyone do it differently?

**It is easier to
work from the
larger number
first!**



Mental Learning Task

- Do the calculation in your head.

$$8 + 3$$



Mental Learning Task

- Do the calculation in your head.

$$5 + 11$$



Mental Learning Task

- Do the calculation in your head.

$$11 + 5$$



Mental Learning Task

- Do the calculation in your head.

$$18 + 3$$



Mental Learning Task

- If you put the larger number first, you have to do less counting.



Mental Learning Objective

- I can understand how to add



Main Learning Objective

- I can learn the strategy of putting the larger number first.
- I can apply this reasoning to problems involving 'real life'



Main Learning Task

- Today there are three activities.
- You will spend time completing one of them.
- Group 1: Simplest Activity
- Group 2:- Middling Activity
- Group 3:- Hardest Activity



Main Learning Task

- Group 1:- Simplest Activity
- Roll two number dice and say the numbers which come up.
- Put the larger number first.



Main Learning Task

- Write down the sum and the answer.
- Roll the dice to make 2 more numbers



Main Learning Task

- Group 2:- Middling Activity
- Shuffle a pack of 0 - 20 number card.
- Pick two cards from the pack
- Decide which is larger.



Main Learning Task

- Write down the sum and the answer.
- Replace the cards
- Pull out two more.



Main Learning Task

- Group 3:- Hardest Activity
- Use a 1 - 50 number grid.
- Pick any two numbers from the grid.
- Write them down.



Main Learning Task

- Turn them into an addition sum for the other people to solve.
- Swap papers and work out the answers.
- Agree the answers
- Repeat the process.



Main Learning Task

- Challenge:-
- Increase the range of numbers on the cards, the dice and the number grid.



Main Learning Objective

- I can learn the strategy of putting the larger number first.
- I can apply this reasoning to problems involving 'real life'



Plenary

- Can you suggest a real life story for this sum?

$$14 + 7$$



Plenary

- Can you suggest a real life story for this sum?

$$2 + 16$$



Plenary

- Can you suggest a real life story for this sum?

$$16 + 2$$



Plenary

- In pairs - make up a story using this sum.

$$17 + 3$$



Plenary

- Tell the class your story.



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