

*Dr Fog Presents*

# **Money Problems**

Year 4 (National Numeracy Strategy)  
(Based on DFEE Sample Lessons)



# Resources

- Worksheets on simple money problems
- Coins - real or plastic (optional)



# Mental Learning Objective

- I can estimate the half of different numbers.



# Mental Learning Task

- Today we are going to start by guessing what is half way between two numbers.



# Mental Learning Task



0

98

- Suggest a method for working out what number belongs here.



# Mental Learning Task



0

36

- Suggest a method for working out what number belongs here.



# Mental Learning Task



0

110

- Suggest a method for working out what number belongs here.



# Mental Learning Task



740

750

- Suggest a method for working out what number belongs here.





# Mental Learning Task



3200

3600

- Suggest a method for working out what number belongs here.



# Mental Learning Task



0

8400

- Suggest a method for working out what number belongs here.



# Mental Learning Objective

- I can estimate the half of different numbers.



# Main Learning Objective

- I can invent word problems.
- I can solve problems mentally or by writing them down.
- I can solve a range of problems and check my solutions are correct.



# Key idea

**I can solve  
a range of  
problems and  
check solutions.**



# Main Learning Task

- Today you are going to make a pretend school fair.
- I am going to tell you what stalls there will be.
- You will decide how much to charge.



# Main Learning Task

## School Fair Price

Tombola  
Face painting  
Roll-a-penny  
Donkey rides  
Wet sponges  
Café

- Can you put the prices for each activity?



# Main Learning Task

## School Fair Price

Tombola

Face painting

Roll-a-penny

Donkey rides

Wet sponges

Café

- If 25 people enter the wet sponge game, how much money will that make?



# Main Learning Task

## School Fair Price

Tombola

Face painting

Roll-a-penny

Donkey rides

Wet sponges

Café

- If 9 people played roll-a-penny. How much does it make?

# Main Learning Task

## School Fair Price

Tombola

Face painting

Roll-a-penny

Donkey rides

Wet sponges

Café

- If 21 people bought a ticket from the tombola, how much money did it make?

# Main Learning Task

## School Fair Price

Tombola

Face painting

Roll-a-penny

Donkey rides

Wet sponges

Café

- Now make up some more as a class.
- Who gets the answer right?

# Main Learning Task

- You are now going to complete a worksheet on money problems.
- You should work in pairs.
- Solve each problem mentally or by writing it down.
- Check your answers.



# Main Learning Task

- Simplifications:-
- Tape record the problems to avoid any difficulty with reading.
- Provide coins and drawing materials and encourage to draw or model the situations.



# Main Learning Task

- Challenge:-
- Children can make up harder number problems for each other, or for themselves, based on the scenes described.



# Main Learning Objective

- I can invent word problems.
- I can solve problems mentally or by writing them down.
- I can solve a range of problems and check my solutions are correct.



# Plenary

- Discuss how different pairs solved certain problems.
- Is there a quick rule for turning pence into pounds.
- What methods did you use?





# Review of Key Idea

- I can solve a range of problems and check solutions.
- Did you learn this in today's lesson?



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