

Aim/context

To use doubling and halving to work out the price of meals in a restaurant. To recognise amounts that are half/double of a given amount.

Level 2 - Age group year 4/5

This game will ask the children to identify doubles and halves of amounts by looking at a set of bills in a restaurant.

Skills**Mathematics**

I can solve problems by adding and subtracting amounts mentally to find the costs of different bills in the restaurant

Financial Education

I know I need to check and keep basic financial information (e.g. checking my bank statement throughout the game)

Scottish Curriculum Ref: MNU 2-03a

Teacher tips

Previous knowledge needed:

- Talk about their experiences of visiting a restaurant and look at menus and bills from restaurants.
- To have experience of reading menus and bills.
- To be able to double 2-digit numbers.
- To have experience of recording money values using £ and a decimal point.

Key questions/prompts

Give the children a range of 2 digit numbers and model how to double those numbers. Quick fire game-say a child's name, then a number and ask them to double it. Ask the class to check the child's answer and give a 'thumbs up' if they got the same answer. Address any misconceptions.

Write a 2-digit number on the board and 4 2-digit numbers underneath. Ask the children to work in pairs to find the double of the 1st 2-digit number from the set of 4 numbers. Repeat and address any misconceptions.

Group activity ideas

- Using the **Game Activity Sheet 2**, the children take turns to roll the die and move along the track. If they land on a double tile, they must pick up a price card and double the amount, if they answer correctly they can move forward 1, if they answer incorrectly they must move back 1. (The other player can check the answers on a calculator).
- Using **Doubles**, the children must match the prices to the doubled amount.
- Sort restaurant bills (**Restaurant Bills 2**) into price order, starting with the lowest price.
- Using **Restaurant Bills 2** work out how much change to give to the customer.

The board sheet consists of 30 numbered squares arranged in a winding path. The numbers are: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30. Red starburst shapes with the word "Double" are placed on the following squares: 2, 4, 7, 10, 13, 16, 19, 22, 24, and 27.





Double

£12

Double

£28

Double

£14

Double

£37

Double

£49

Double

£22



Double

£25

Double

£16

Double

£31

Double

£26

Double

£13

Double

£35

Bill total	Doubled totals
£23	£84
£16	£106
£53	£70
£18	£68
£35	£46
£28	£32
£42	£114
£57	£50
£34	£36
£25	£56

Bill total	Doubled totals
£23	£84
£16	£106
£53	£70
£18	£68
£35	£46
£28	£32
£42	£114
£57	£50
£34	£36
£25	£56

Bill 1

Drinks - £14
Starters - £10
Main meals - £17
Desserts - £12

TOTAL:

Bill 2

Drinks - £13
Starters - £15
Main meals - £10
Desserts - £11

TOTAL:

Bill 3

Drinks - £15
Starters - £14
Main meals - £16
Desserts - £12

TOTAL:

Bill 4

Drinks - £12
Starters - £17
Main meals - £12
Desserts - £15

TOTAL:

Bill 5

Drinks - £11
Starters - £14
Main meals - £19
Desserts - £16

TOTAL:

Bill 6

Drinks - £15
Starters - £12
Main meals - £11
Desserts - £17

TOTAL:

Bill 1

Drinks - £14
Starters - £10
Main meals - £17
Desserts - £12

TOTAL: £53.00

Bill 2

Drinks - £13
Starters - £15
Main meals - £10
Desserts - £11

TOTAL: £49.00

Bill 3

Drinks - £15
Starters - £14
Main meals - £16
Desserts - £12

TOTAL: £57.00

Bill 4

Drinks - £12
Starters - £17
Main meals - £12
Desserts - £15

TOTAL: £56.00

Bill 5

Drinks - £11
Starters - £14
Main meals - £19
Desserts - £16

TOTAL: £60.00

Bill 6

Drinks - £15
Starters - £12
Main meals - £11
Desserts - £17

TOTAL: £55.00