

Aim/context

To use doubling and halving to work out the price of meals in a restaurant.

Level 1 - Age group year 3/4

This game will ask the children to work out how much 2 meal deals will cost by doubling the amounts. They will then add the doubled prices together to make a total billing amount. Some of the questions will ask the children to halve the meal deal amounts and add 2 amounts together to make a total billing amount.

Skills**Mathematics**

I can solve simple problems involving multiplication and division

Financial Education

I can plan and track my spending and savings by keeping simple records

Scottish Curriculum Ref: MNU 1-03a

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 have experience of recording money values using £ and a decimal point.

Key questions/prompts

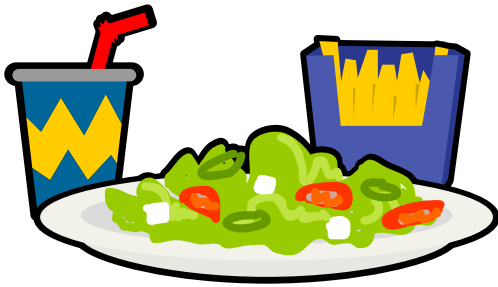
Use an enlarged version of the sheet from the **Meal Deals**. Look closely at the price list, ask the children to read out the prices of different meal deals.

Model working out how much 2 meal deals would cost by doubling the amount. Repeat this until the children can answer the questions independently.

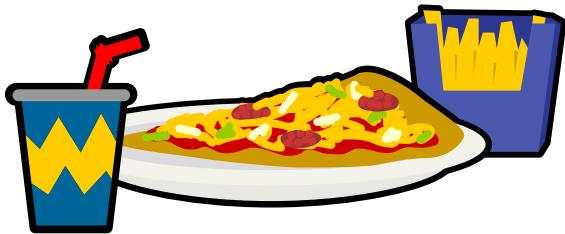
Model working out how much 1 half price meal deal would cost by halving the amount. Repeat this until the children can answer the questions independently.

Group activity ideas

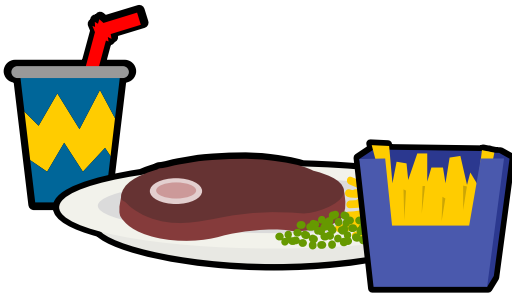
- Using **Game Activity Sheet 1**, the children take turns to roll the die and move along the track. When they get to a half price tile, they must pick up a price card and halve the amount, if they answer correctly they can move forward 1, if they answer incorrectly they must move back 1. If they land 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 **Halving and Doubling**, the children must add up the total cost of the items on the bill to make the total billing amount. Then halve the total, and then double the total.
- Sort restaurant bills (**Restaurant Bills 1**) into price order, starting with the lowest price.
- Using **Restaurant Bills 1**, work out how much change to give to the customer.



Salad meal deal - £3



Pizza meal deal - £6



Steak meal deal - £9

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

- Square 29: 1/2 price (red starburst)
- Square 25: Buy 2 meals (yellow starburst)
- Square 21: 1/2 price (red starburst)
- Square 15: Buy 2 meals (yellow starburst)
- Square 12: Buy 2 meals (yellow starburst)
- Square 9: 1/2 price (red starburst)
- Square 7: 1/2 price (red starburst)
- Square 3: Buy 2 meals (yellow starburst)



£5



£8



£12



£7



£9



£2



Buy 2 meals

£2.50

Buy 2 meals

£6

Buy 2 meals

£7

Buy 2 meals

£1.50

Buy 2 meals

£9

Buy 2 meals

£4.50

Restaurant bill	Total price	Half the total	Double the total
Pizza - £2 Pasta - £5			
Garlic bread - £3 Steak - £7			
Sandwich - £4 Chips - £1			
Pizza - £6 Pasta - £8			
Garlic bread - £1 Steak - £10			
Sandwich - £9 Chips - £3			

Restaurant bill	Total price	Half the total	Double the total
Pizza - £2 Pasta - £5	£7.00	£3.50	£14.00
Garlic bread - £3 Steak - £7	£10.00	£5.00	£20.00
Sandwich - £4 Chips - £1	£5.00	£2.50	£10.00
Pizza - £6 Pasta - £8	£14.00	£7.00	£28.00
Garlic bread - £1 Steak - £10	£11.00	£5.50	£22.00
Sandwich - £9 Chips - £3	£12.00	£6.00	£24.00

Bill 1

Drinks - £4
Starters - £2
Main meals - £7
Desserts - £2

TOTAL:

Bill 2

Drinks - £3
Starters - £5
Main meals - £10
Desserts - £1

TOTAL:

Bill 3

Drinks - £5
Starters - £4
Main meals - £6
Desserts - £2

TOTAL:

Bill 4

Drinks - £2
Starters - £7
Main meals - £12
Desserts - £5

TOTAL:

Bill 5

Drinks - £1
Starters - £4
Main meals - £9
Desserts - £6

TOTAL:

Bill 6

Drinks - £5
Starters - £2
Main meals - £11
Desserts - £7

TOTAL:

Bill 1

Drinks - £4
Starters - £2
Main meals - £7
Desserts - £2

TOTAL: £15.00

Bill 2

Drinks - £3
Starters - £5
Main meals - £10
Desserts - £1

TOTAL: £19.00

Bill 3

Drinks - £5
Starters - £4
Main meals - £6
Desserts - £2

TOTAL: £17.00

Bill 4

Drinks - £2
Starters - £7
Main meals - £12
Desserts - £5

TOTAL: £26.00

Bill 5

Drinks - £1
Starters - £4
Main meals - £9
Desserts - £6

TOTAL: £20.00

Bill 6

Drinks - £5
Starters - £2
Main meals - £11
Desserts - £7

TOTAL: £25.00