

### Aim/context

- To develop the children's understanding of whole number money values and increments of 5p and 10p.
- To practise adding 3 or more money values together to find a total price.
- To be able to read a timetable and interpret the information shown.
- To have a good knowledge of 0'clock times.
- To be able to multiply a value by 2, 3 or 4.

### Level 2 - Age group year 4/5

This game will ask the children to look at a cinema price list that shows the various costs for viewing a film at different times of the day. They will have to work out how much it costs to see a film at a specific time, then multiply this by 2,3 or 4 depending on how many tickets they need. Then they need to add the price of snacks to the ticket price to calculate the total cost of their visit.

### Skills

#### Mathematics

I can solve problems by reading and interpreting information as shown in the table

#### Financial Education

I can make spending and saving choices based on my own needs

**Scottish Curriculum Ref:** MNU 2-10a

### Teacher tips

Previous knowledge needed:

- Talk about their experiences of visiting the cinema and the costs involved. Talk about the price changing depending on the time of day. Discuss buying snacks at the cinema and their cost.
- To have experience of reading analogue clock times.
- To have experience of recording money values using £ and a decimal point.
- To understand how to use the cinema timetable to work out prices.

### Key questions/prompts

Using an enlarged copy of **Cinema Timetable 2**, ask key questions related to the timetable.

- How much would it cost to go and watch a film at 7 pm?
- How much would it cost to go and watch a film at 10 am?

Repeat this type of question until the children are confident in using the timetable to find out the price of watching a film at different times of the day.

Model multiplying the amount by 3 so that 3 children can watch the film at a specific time. Then ask the children to answer the following questions:-

- How much would it cost for 2 children to go and watch a film at 7pm?
- How much would it cost for 4 children to go and watch a film at 10am?

Repeat this type of question until the children are confident in multiplying the values and recording the total.

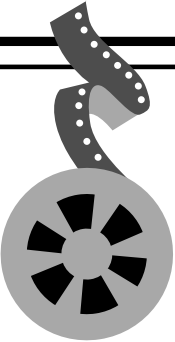
Continue working with the **Cinema Timetable 2**, but model adding the price of snacks to the ticket price and working out the total cost for the cinema trip. Then ask the children to answer the following questions:-

- 2 children watch a film at 2pm and buy 1 drink and a bag of sweets. How much will it cost for the cinema trip?
- 4 children watch a film at 7pm and buy some popcorn, 2 drinks and 1 bag of sweets. How much will it cost for the cinema trip?

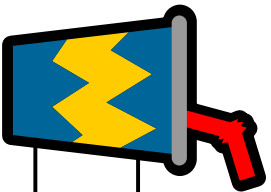
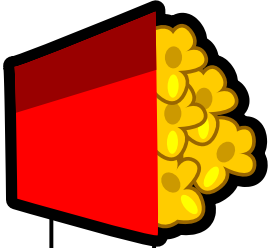

Repeat this type of question until the children are confident in multiplying the values, adding the cost of snacks and recording the total.

### Group activity ideas

- Ask the children to bring in used cinema tickets, look at the time that they watched the film. Have other children watched the same film, if so did they watch it at a different time? Alternatively use the internet to find times and costs at a local cinema. Using **Flashcards 2**, the children will use the price on the cinema ticket and multiply it by the number on the flash card. Repeat using a different cinema ticket and flashcard.
- Set up a drinks and snack shop in class. Make up prices for each item in the snack shop. Give each child some coins in a purse and they have to work out what they can buy with the money that they have.
- Using **Cinema Prices 2**, answer word problems using a cinema price list.
- Ask the children to develop a role play activity based on a favourite film they have seen to show the rest of the class in the plenary. They could record the film using video. The rest of the class could rate the film and tell the group how much they would pay to watch it at the cinema.

Film Prices		Before 12 noon	12-4pm	4-7pm	After 7pm
	Child	£2.25	£3.75	£4.80	£5.10

Snacks	
	<p>Drink</p> <p>£1.50</p>
	<p>Popcorn</p> <p>£2.75</p>
	<p>Sweets</p> <p>£1.80</p>



**Multiply the  
price by 2**

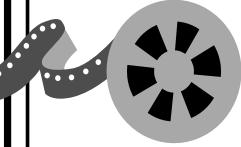
**Multiply the  
price by 3**

**Multiply the  
price by 4**


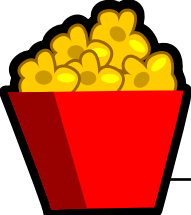

**Multiply the  
price by 5**

**Multiply the  
price by 6**

**Multiply the  
price by 7**

Film Prices		Before 12 noon	12-4pm	4-7pm	After 7pm
	Child	£2.25	£3.75	£4.80	£5.10

<b>Snacks</b>		Drink	£1.50
		Popcorn	£2.75
		Sweets	£1.80

1 child watched a film at 1pm and bought a drink, how much did it cost?

3 children watched a film at 2pm and bought 1 bag of sweets and 1 drink, how much did it cost?

2 children watched a film at 5pm and bought 2 bags of popcorn, how much did it cost?

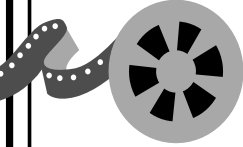
1 child watched a film at 8pm and bought 1 drink, how much did it cost?

4 children watched a film at 11am and bought 2 drinks and 2 bags of sweets, how much did it cost?


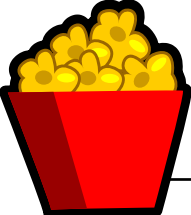

3 children watched a film at 6pm and bought 1 bag of popcorn, 1 bag of sweets and 1 drink, how much did it cost?

2 children watched a film at 3pm and bought 1 drink and 1 bag of sweets, how much did it cost?

4 children watched a film at 1pm and bought 2 bags of popcorn and 2 bags of sweets, how much did it cost?

Film Prices		Before 12 noon	12-4pm	4-7pm	After 7pm
	Child	£2.25	£3.75	£4.80	£5.10

Snacks		Drink	£1.50
		Popcorn	£2.75
		Sweets	£1.80

1 child watched a film at 1pm and bought a drink, how much did it cost?

£5.25

3 children watched a film at 2pm and bought 1 bag of sweets and 1 drink, how much did it cost?

£14.55

2 children watched a film at 5pm and bought 2 bags of popcorn, how much did it cost?

£15.10

1 child watched a film at 8pm and bought 1 drink, how much did it cost?

£6.60

4 children watched a film at 11am and bought 2 drinks and 2 bags of sweets, how much did it cost?

£15.60

3 children watched a film at 6pm and bought 1 bag of popcorn, 1 bag of sweets and 1 drink, how much did it cost?

£20.45

2 children watched a film at 3pm and bought 1 drink and 1 bag of sweets, how much did it cost?

£10.80

4 children watched a film at 1pm and bought 2 bags of popcorn and 2 bags of sweets, how much did it cost?

£24.10