

Aim/context

To develop the children's understanding of money values.
To practise adding 3 money values together to find a total price.
To be able to multiply a value by 10, 15 or 20.
To be able to record a value of money using pounds, pence and £ signs and decimal points.

Level 3 - Age group year 5/6

This game will ask the children to look at a price list for a bowling party and they must work out how much it would cost for 10/15/20 children to attend the party using those prices. They must add together the amounts to find a total for 1 child before multiplying this value to find a total for the party.

Skills**Mathematics**

I can solve addition and multiplication problems in context deciding on the best operation to use

Financial Education

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

Scottish Curriculum Ref: MNU 3-03a

Teacher tips

Previous knowledge needed:

- Talk about times that the children have visited a bowling alley. What did they have to pay for? Have they ever been to a bowling party?
- To have experience of multiplying by 10, 15 and 20 using a calculator.
- To have experience of recording money values using £ and a decimal point.
- To know that you will only need to pay for shoe hire once regardless of whether you are playing 1 or 2 games.

Key questions/prompts

Using whiteboards/chalkboards (1 per child or 1 between 2) ask the children to work out the answers to these questions and write the answer using £ and decimal points correctly.

Model adding together 3 amounts and recording the total, ask the children to record the total in the same way on their boards. Then ask the following questions:-

- Add £3.75, £2.10 and £1.30. What is the total?
- Add £2.41, £4.28 and £1.15. What is the total?

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

Model multiplying the figure £4.50 by 10 using a calculator and writing this using £ and decimal points correctly. Then ask the children to answer the following questions:-

- It costs £3.25 for 1 child to attend a bowling party. How much would it cost for 10 children to attend?
- It costs £4.30 for 1 child to attend a bowling party. How much would it cost for 20 children to attend?
- It costs £5.15 for 1 child to attend a bowling party. How much would it cost for 15 children to attend?

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

Group activity ideas

- Using a set of skittles and a soft ball, set up a bowling alley on a flat area in the classroom or outside. Attach money values to each skittle. The children will take turns to knock the skittles over. They then have to multiply the value on each skittle by 10 and add up the amounts for each skittle that they have knocked down to get a total. When all children have had a turn to play, the child who has the largest total wins the game.
- Play **Multiples of 10** (cards will show money values, using increments of 5p and they will have a corresponding card with that value multiplied by 10) place the cards face down on the table. The children will take turns to flip over 2 cards; if they have found a value and the corresponding double for that value then they can have a counter. Replace the cards and mix them up and the next child will have a turn. At the end of group work time, the child with the most counters has won the game.
- Use **Matching Values 3**. The cards show values on 1 side and those values multiplied by 20 on the other side. The children must find the matching pairs and draw a line to connect them.
- Put coins in a variety of purses and ask the children to add up how much money is in each purse and multiply that amount by 15.



£2.55

£7.75

£4.25

£6.15

£5.65

£8.55

£1.35

£3.95



£25.50

£77.50

£42.50

£61.50

£56.50

£85.50

£13.50

£39.50



