

Choosing Methods

Maths

Year 6

Lesson 5 of 5

Learning Objective		Resources
To be able to solve problems involving addition, subtraction, multiplication and division.		Slides Worksheet 5A/5B/5C Number Cards A/B (FSD? activity only)
Teaching Input		
<ul style="list-style-type: none"> Show children the data on the slides showing the total number of people that visited a supermarket per day. How could we work out the week's total visitors? What calculation do we need to do? Now that we have worked out the total visitors in a week, how would we work out the average number of visitors per day? What calculation do we need to do? How can we use this information to work out the total number of people that might visit the supermarket in thirty days? What calculation do we need to do? Now that we know how many people are likely to visit the supermarket, challenge the children to work out how many packets of cheese they will need to buy! 		
Main Activity		
<u>Lower ability:</u> Worksheet 5A has information about the number of people to visit a ride at a fairground. The children have to use the given information to answer the questions.	<u>Middle ability:</u> Worksheet 5B has imaginary attendance figures for a football club. The children have to calculate how many empty seats there would be. The second part of the worksheet asks the children to add together attendance numbers. If necessary, provide children with calculators to help them or for them to check their answers.	<u>Higher ability:</u> Worksheet 5C asks the children to find the difference between actual attendance and the average for 10 Premier League teams. They are then asked to find totals and the average average!
Fancy something different...?		
<ul style="list-style-type: none"> Provide groups of children with a set of Number Cards A or B (depending on ability). They will sort a selection of the cards by criteria of their choice. They do not have to use all the cards. One person from each group will stay with their sorted cards, while everyone else visits the other groups trying to work out how the cards have been sorted. The group representative that remains with the cards is only allowed to answer questions with yes or no. Examples of how the cards could be sorted include, answers are multiples/not multiples of three, answers are prime/not prime numbers, answers are odd/even, answers have two digits/three digits/ four digits/five digits. 		
Plenary	Assessment Questions	
Show children the slides showing a trick for impressing people with addition skills! Go through the slides, then challenge children to try this out on their friends and family at home!	<ul style="list-style-type: none"> Can children choose an appropriate method for solving a problem? Can children check their answers accurately? Can children explain their workings? 	