

Learning objective: Explore different methods of multiplication.

Success criteria:

To have a secure method for multiplication, these may include:

- Partitioning
- Using a bar model to help understanding of the problem
- Column method
- Grid method
- Repeated addition
- Using known facts

Key vocabulary:

Multiplication, factors, multiples, times, groups of, product and array.

Fluency starter:

Game of buzz, fizz, bang. Children stand up in a circle and each count up going around the circle, children say buzz if the number is a multiple of 5 fizz if it is a multiple of 7 and bang if it is a multiple of 9. If a number is a multiple of both e.g. 45 they will say buzz bang. (obviously teachers can vary the numbers)

Reasoning:

Children to work in learning partners to explore the ways they could answer the question. Encourage the children to explore as many methods as possible. Mini plenary children share their methods with the class to generate a success criteria.

Journal Task:

Children are given a different task to journal to really showcase their understanding of multiplication. Mini plenary teacher to find some interesting journals and show them to the rest of the class using the visualiser and allow the child to explain which method they have chosen to journal and why.

Problem solving:

Children are given a set of word problems to work through independently. Encourage the children to use the method they are most confident with and to use bar models to help their understanding of the problems. Mini plenary discussion and sharing of how bar models supported their understanding of the word problem.

Investigation:

Children are able to explore the task either individually or with a learning partner.

