

Objectives Whole Class

To add using mental strategies
To use known table facts
To add using an efficient written column addition.

Success Criteria */**/**

- * I can use mental strategy
- ** Grid Method
- *** Choose which method is most efficient

Challenge

Context/Application/Real World

Class Sale for Action Aid—See Poster
Money—mentally adding and calculating multi-buys
Calculating change

Key Questions/Maths Vocabulary

Commutative law
Multiple, multiply, product, factor

Manipulatives/Models/Images/Representations to reinforce conceptual understanding

Arrays (egg boxes, peg boards) groups of 6 ($\times 6/6 \times \div 6$)
Bead Bar—counting in groups of 6 ($\times 6 \div 6$)
Base 10 Dienes to reinforce place value— Play "What's in the Box"
Yellow sliders for multiplying by 10
ITP Moving Digits

Remember & Recall Facts

6x tables—Tables Torture
Use mental strategies to add e.g bonds to make 10
Use know multiplication facts, doubling, to workout the cost of items.

2. Consolidation

Use 1-6 die.
Use dienes or coins to show exchange of 10 when adding in columns. With TA or CT or pairs.

1. Whole Class Will:

Select items for sale from and total using efficient written method—adding 3 digits using written columns method.

3. Digging Deeper!

Use a polyhedron die to multiply using larger numbers e.g. $\times 15$
Use efficient mental ($\times 10$) or written method (grid method or partitioning) to support multiplication.