# Multiplication and Division: Division by Grouping 

Aim:
To use place value, known and
derived facts to multiply and divide
mentally, including: multiplying by
0 and 1; dividing by 1; multiplying
together three numbers.
I can divide larger numbers mentally
by subtracting easy multiples.

Success Criteria:<br>I can partition numbers to make division easier.<br>I can subtract multiples of 10 .<br>I can use known multiplication facts to calculate the answer and find remainders.

## Key/New Words:

Partition, multiple, remainder, divisor.

## Resources:

Lesson Pack

## Preparation:

Differentiated Division by Grouping Activity Sheet - 1 per child

Prior Learning: It will be helpful if the children know the multiplication and division facts up to $12 \times 12$.

## Learning Sequence

Squares and Cubes: Looking at the grid on the Lesson Presentation, children identify as many squared or cubed
numbers as they can.
Work Together: Children work in pairs to solve the division calculation mentally by using multiples of ten. Ask for
volunteers to model each step of the method before revealing on the Lesson Presentation.
Remaing discuss which tables you find easier. Why are the ten times tables so easy?
mentally. Read through the information on the Lesson Presentation to model this method.

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[^0]:    Masterit
    Practiceit: Children play this Division Game to practise recalling their multiplication tables quickly.
    Anagramit: Children make a list of the key mathematical vocabulary for this multiplication and division topic. Then they make up their own anagrams and challenge each other to solve them.

