## Multiplication and Division: Leftovers

## Aim:

Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.

I can solve division problems with remainders.

## Success Criteria:

I can work out the calculation I need to do to answer the question.

I can use a written calculation method for division to find the answer.

I can explain what the remainder means and use this to answer the question correctly.

## Key/New Words:

Division, multiple, short division, regroup, remainders, dividend, divisor, quotient, sharing equally between.

## Resources:

Lesson Pack
Dice

## Preparation:

Differentiated Farm Leftovers Activity Sheets - one per child

## Learning Sequence

Remainders: Children play in groups of three or four. They roll a dice and the first player to write down a division
calculation with that remainder scores ten points. Any other correct calculations score five points. The game can be
made more difficult by limiting the divisors the children can use or by rolling more than one dice, totalling them, then

finding the remainder. | Interpreting Remainders: Use the examples on the Lesson Presentation to explain the different ways of interpreting |
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| remainders depending on the context. Consider whether to round up or round down and explain the importance of |
| using the correct unit in the answer. |

## Masterit

Fixit: Children check their own or their partner's answers. They try to find any errors and correct them (as modelled in What Went Wrong? on the Lesson Presentation.)
Changeit: The children reword the questions from the Farm Leftovers Activity Sheets so that the remainder would need to be interpreted differently, e.g. they'd need to round up rather than round down to answer the question correctly.

