## Multiplication and Division: The 4s

| Aim: <br> To recall and use multiplication and <br> division facts for the 3, 4 and 8 <br> multiplication tables. <br> I can multiply and divide by 4. | Success Criteria: <br> I can count in 4s. <br> I can recognise multiples of 4 up to $12 \times 4$. <br> I can write multiplication sentences for arrays up <br> to $12 \times 4$. <br> I can use arrays to find division facts. <br> I can use my knowledge of the 4x table to find <br> division facts. <br> I can solve multiplication and division word <br> problems using these facts. | Resources: <br> Lesson Pack |
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|  | Key/New Words: <br> Array, multiple. | Preparation: <br> 4x Table Visual Aid Activity Sheet - as required <br> Differentiated Paws Activity Sheets - as required |

Prior Learning:
It will be helpful if children have experience of counting in fours, and have previous experience of grouping objects using arrays (covered in Lesson 1: The 3s).

## Learning Sequence

Thumbs Up: Using the slide on the Lesson Presentation, point to a number on the grid. Children put their thumbs
up or down depending on whether or not the number is a multiple of four. You can vary the game by having the
children standing up and sitting down to vote yes or no, or you could have a 'thumbs up' and 'thumbs down' side of
the classroom which they must go to. You could even have the number grid written in chalk on the playground or
print out the grid, cut it up and stick the numbers on the floor. The children then have to stand on the 'thumbs up'
squares i.e. the ones which fit the rule.
Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative activity.
These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and
in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying
this to show their depth of understanding.
Children write and solve linked multiplication and division statements for the four times table, using arrays
and known facts.

## Exploreit

Countit: We used animals to count in fours. Can children think of any other things that come in sets of four?
Singit: Sing the $4 x$ table to a known tune. Try 'Row, Row your Boat', or 'If You're Happy and You Know It'.
Applyit: Practice applying skills by solving these Word Problems.

