## 3, 4 and 8 multiplication and division facts

Prior learning

- Can recall and use multiplication and division facts for the 2-, 5and 10 -times tables, including recognising odd and even numbers.


## Curriculum objectives

- To recall and use multiplication and division facts for the 3-, 4and 8 -times tables.


## Success criteria

- I can use multiplication facts that I know to find related division facts.


## Learn

- Review the children's recall of the 2-, 5- and 10-times tables. Ensure that they can read a multiplication square read a multiplication square correctly and appreciate tha multiplication can be carried out in any order. If appropriate, discuss the relationship between multiplication and division facts. For example, knowing $2 \times 5=10$ means that you also know $10 \div 5=2$.
- Spend time, preferably in short bursts, introducing and practising each of the 3 -, 4- and 8 -times tables. Referring to a multiplication grid, remind the children that $4 \times 8$ also gives them $8 \times 4$, and so on.
- 100 Maths Lessons Year 3 Autumn 1, Week 4 contains relevant and useful lessons and some useful activities and worksheets.
- Provide small groups with a multiplication grid for the 3-, 4 - and 8 -times tables and a selection of counters. Challenge them to pose quick-fire questions to each other, placing counters on the answers that they know on the grid. Use division too if desired.
- Use the textbook questions for a quick assessment of children's recall of multiplication facts. Move them on to activities and worksheets from the links to 100 Maths Lessons Year 3 and the Year 3 Practice Book, as appropriate. Notice that these include activities that involve doubling and halving - these will help the children's growing understanding of the 2-, 4- and 8 -times tables.


## Problems

- If the children answer the problems confidently, challenge them to create their own, reminding them that they must be able to explain the method and operation for finding their solutions.


## 100 Maths Lessons Year 3 links:

- Autumn 1, Week 4 (pages 26-31): recall and use multiplication facts for the 2-, 4- and 8-times tables
- Autumn 2, Week 3 (pages 61-66): learn the 3 -times table; use the $2-, 4$ - and 8 -times tables
- Spring 1, Week 3 (pages 102-106): use times table facts to carry out multiplications and divisions
- Spring 1, Week 4 (pages 107-112): use known multiplication facts to derive division facts

Year 3 Practice Book links:

- (pages 42-43): Multiples of 2 5 and 10
(pages 44-45): Multiples of 3 and 4
- (page 46): The 8-times table
- (page 47): More 8-times table
(page 50): Multiplication and division families
(page 51): Relationship between $\times$ and $\div$
- (page 64): Double and halve
- (page 65): More doubles and halves

