## Maths - Year 3

Calculating 6: Exploring multiplying through arrays

| Key Vocabulary |  |
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| Product | The number resulting from multiplying <br> two or more numbers together. |
| Array | A rectangular arrangement of objects or <br> numbers in row and columns. |
| Commutative | When adding or multiplying two num- <br> bers, the answer will be the same no <br> matter which order the numbers are in. |
| Equivalent, <br> equivalence | Different ways of representing the same <br> value. |

## Mathematical Skills

- Understand that multiplying can be represented by building arrays.
- Understand the commutative properties of multiplying.
- Understand that some number arrays can only have one row (prime numbers)
- Develop fluent recall of some multiplying facts.
- Represent an array with two multiplying sentences.
- Work in an organised way to build arrays.



## Can you..?

- Write the multiplying sentences for this array. 10000
- How many arrays can you make for 12 ?
- Solve the empty boxes:
$6 \times 1=\square \times 6$;
 10


Does $2 \times 4 \times 10$ make the same product as $10 \times 2 \times 4$ ? Explain how you know.

