| Topic: Multiplication | Year: Two | Theme: Multiplication and Division |
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## Key concepts and questions

## What is multiplication?

- Multiplication is repeated addition.
- This is where you add the same number over and over again.

- This numberline shows $5+5+5+5+5+5=30$
- It also shows 5 added 6 times, there are 6 equal groups of

5. We can write this as $6 \times 5=30$ or $5 \times 6=30$

- Multiplication is commutative it can be done in any order
- There are 4 equal groups of 2 apples.


Key Vocabulary

| Multiply | Lots of or groups of. |
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| Repeated <br> addition | Adding the same number over and over. |
| Equal groups | Each group has the same number of objects. |
| Skip counting | Counting by skipping numbers. |
| Times | To multiply. |
| Array | Objects or pictures arranged in rows and columns. |
| Times | To multiply. |
| Double | To add a number to itself, it is the same as |
| multiplying by 2. |  |

## Representations

## Arrays



|  <br> 5 <br> 5 <br> 5 |
| :---: |

$4 \times 5=20$
$5 \times 4=20$

## Making connections

When we use the 2 and 10 times tables, the multiples are always even numbers.

| $1 \times 2=2$ | $1 \times 10=10$ |
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| $2 \times 2=4$ | $2 \times 10=20$ |
| $3 \times 2=6$ | $3 \times 10=30$ |
| $4 \times 2=8$ | $4 \times 10=40$ |
| $5 \times 2=10$ | $5 \times 10=50$ |
| $6 \times 2=12$ | $6 \times 10=60$ |
| $7 \times 2=14$ | $7 \times 10=70$ |
| $8 \times 2=16$ | $8 \times 10=80$ |
| $9 \times 2=18$ | $9 \times 10=90$ |
| $10 \times 2=20$ | $10 \times 10=100$ |
| $11 \times 2=22$ | $11 \times 10=110$ |
| $12 \times 2=24$ | $12 \times 10=120$ |

In the 5 times tables, the multiples end only in 5 or 0

