











Arrays

Task 1: Write the repeated addition and the multiplication sentence to go with the array. Some have been completed to help you.

Multiplication as Repeated Addition

| | | |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------|
| 1 ladybird has 2 spots.  | 2 | $1 \times 2 = 2$ |
| How many spots do 2 ladybirds have?  | $2 + 2 =$ | $2 \times 2 =$ |
| How many spots do 3 ladybirds have?  | $2 + 2 + 2 =$ | |
| How many spots do 4 ladybirds have?  | $_ + _ + _ + _ =$ | $4 \times 2 =$ |
| How many spots do 5 ladybirds have?  | | $5 \times 2 =$ |
| 1 flower has 5 petals.  | 5 | |
| How many petals do 2 flowers have?  | $5 + 5 =$ | $2 \times 5 =$ |
| How many petals do 3 flowers have?  | $_ + _ + _ = _$ | $3 \times 5 =$ |
| How many petals do 4 flowers have?  | | $4 \times 5 =$ |
| How many petals do 5 flowers have?  | | |

Task 2: Create some more arrays with objects in your home. Can an adult guess what your array shows?

Task 3: Problem Solving!

Number sentences

| 'lots of' sentence | + sentence | × sentence |
|-----------------------------------------------------------------------|---------------------|--------------|
| <input type="text"/> lots of <input type="text"/> | $4 + 4 + 4$ | 3×4 |
| <input type="text" value="5"/> lots of <input type="text" value="3"/> | $3 + 3 + 3 + 3 + 3$ | |
| <input type="text" value="4"/> lots of <input type="text" value="2"/> | | |
| <input type="text"/> lots of <input type="text"/> | | 4×5 |