Same difference!

You need Lego™, Duplo™ or other small bricks. You need 12 bricks each.

Also, paper and pens each.

**What to do**

* Find someone to work with.
* Build a tower each.
* Lay the two towers next to each other.
* Find the difference between the two.

**Difference of 3**

You are looking for two towers with a difference of 3 bricks.

Try a tower of 4 and a tower of 7 to get you going.



* How many different pairs of towers

with a difference of 3 can you make?

* Keep going until you are sure you have

made all those possible using no

more than 12 bricks in any one tower.

**Extra Challenge!**

* How many pairs of towers with a difference of 2 do you think you will be able to make? Will it be fewer or more than the number you made with a difference of 3?
* How many pairs of towers with a difference of 4? Predict first.

**Answers**

9 towers with a difference of 3

10 towers with a difference of 2

8 towers with a difference of 4