Teacher Notes

These challenges are designed to be used with the Spot On With Numbers' Pegs and Boards and visuals: www.spotonwithnumbers.co.uk.

The Early Intervention programme or Number Bonds Pack are ideal starting points as they contain all the resources and additional guidance.

Choose and print off the cards that suit your class and needs. You may want to print off two sheets per page and laminate some of the cards so that children can write on them with a whiteboard pen.

The Pegs and Boards can be used to play with numbers and create patterns. The *Spot On Challenges* do not need to be followed exactly, but may inspire children to explore the structure of numbers and make discoveries. Use questioning to draw out the maths, make links and promote reasoning:

What is the same? What is different?

What can we do to make these the same?

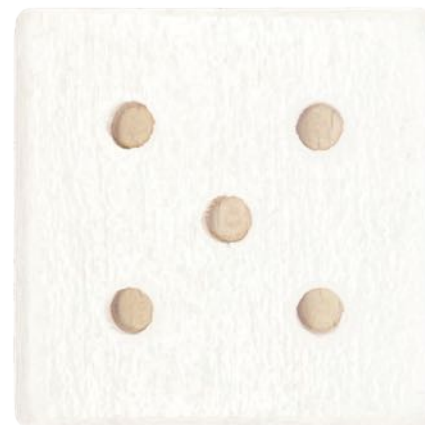*What can you say about how the pegs are arranged?*

Can you show me the same number on your fingers?

What do you notice?

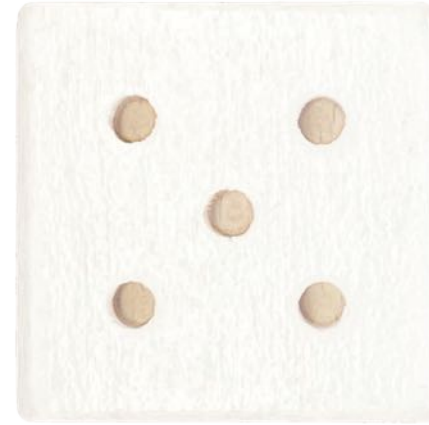*What do you wonder?*

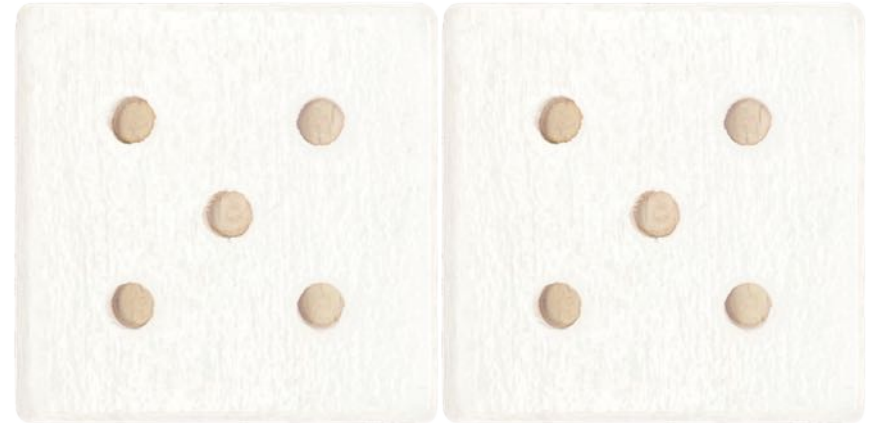spot on challenge

Make **3**

How many ways can you find?

Make **4**

How many ways can you find?

Make **5**

How many ways can you find?

Make **6**
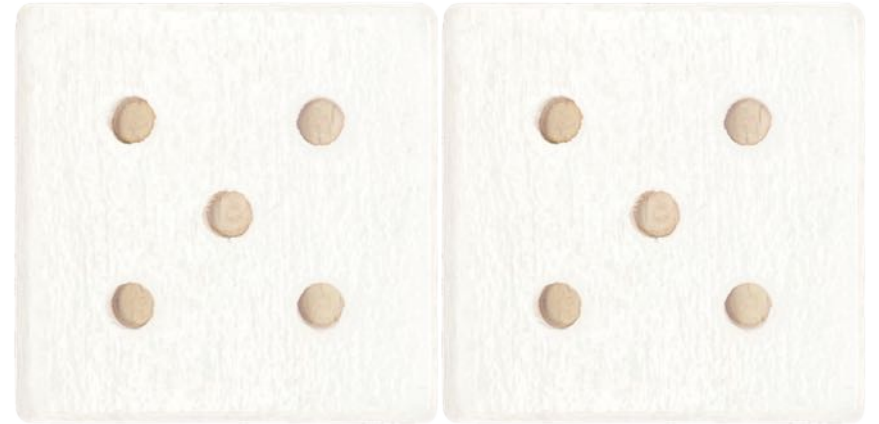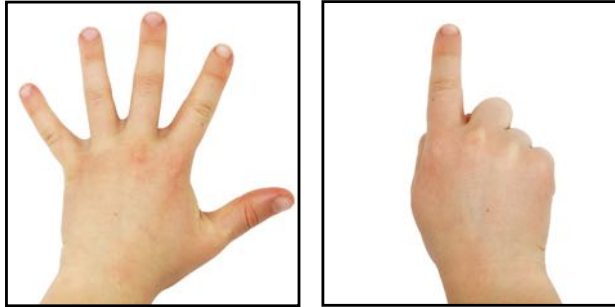
How many ways can you find?

Make **7**
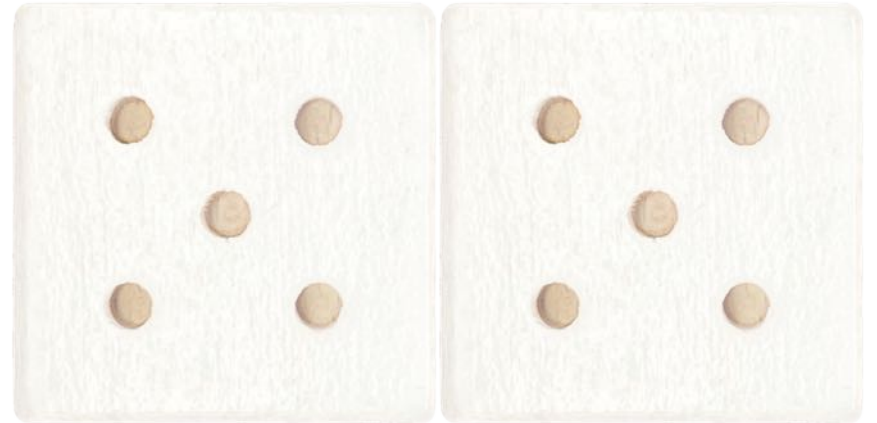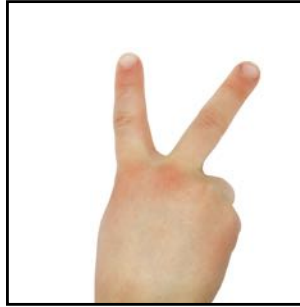
How many ways can you find?
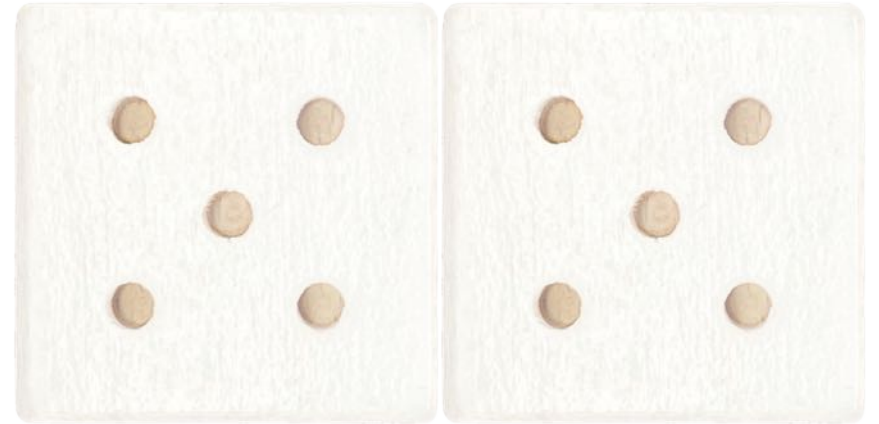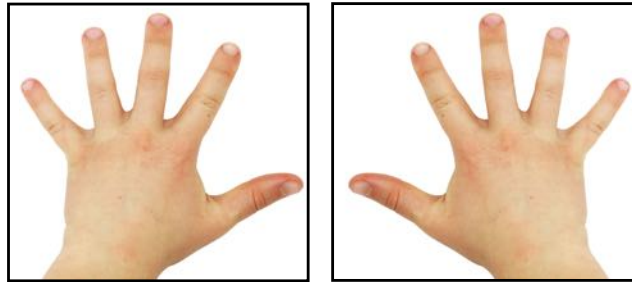
Make **8**
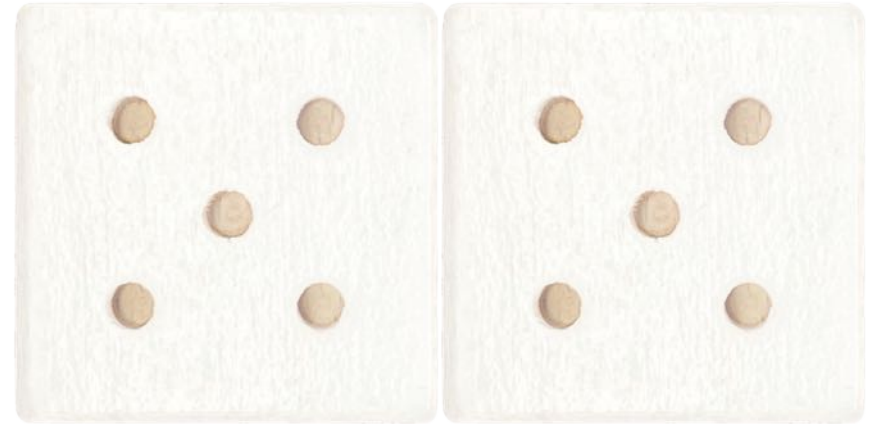
How many ways can you find?

Make **9**
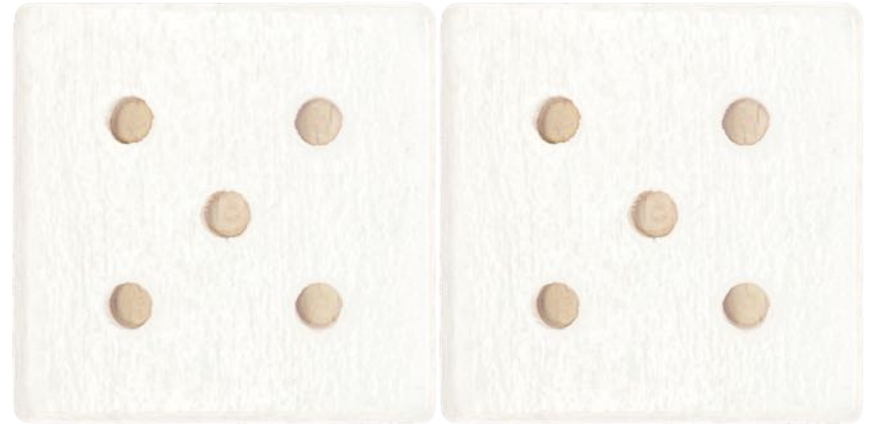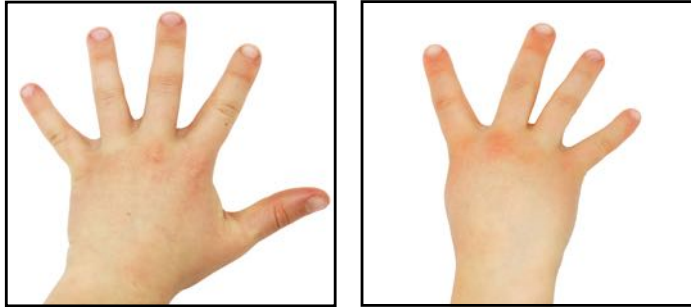
How many ways can you find?

You can use more boards

Make **10**

How many ways can you find?

Use 2 different colours

_____ is made of _____ and _____

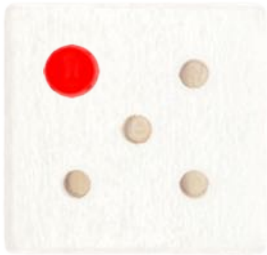_____ and _____ makes _____

spot on challenge
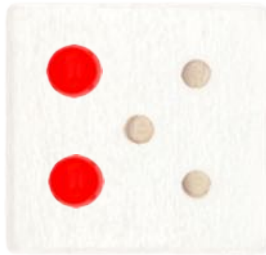
Make....
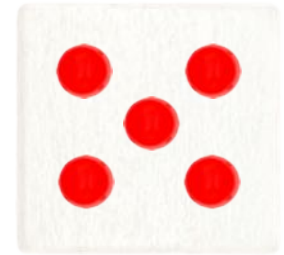
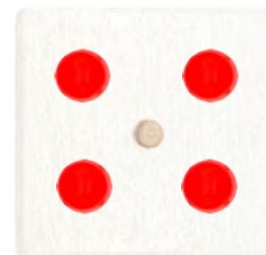| 1 less | _____ (Your number) | 1 more |
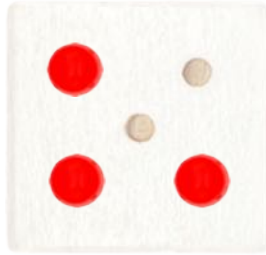
Make
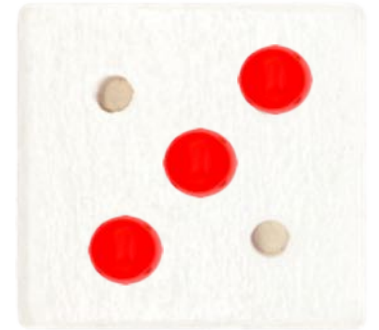**1,** **2,** **3,** **4** and **5**

What other numbers can you make?

Example: **6**
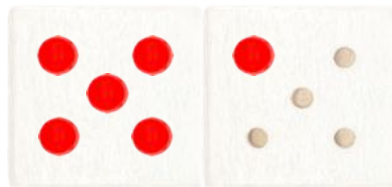
Throw 2 dice
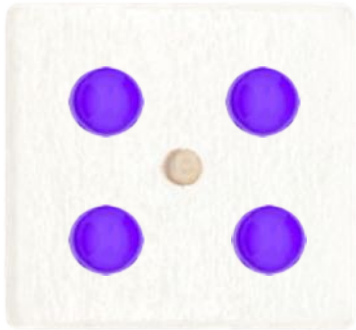
Make the numbers

Find the total
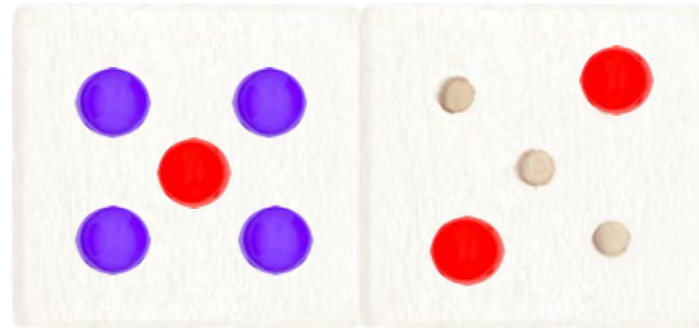
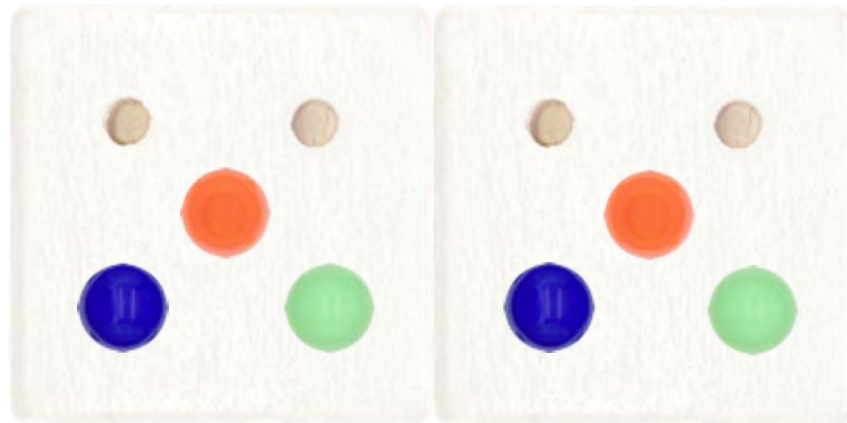Make Double _____

Double _____ is equal to _____

Copy the pattern

Continue the pattern
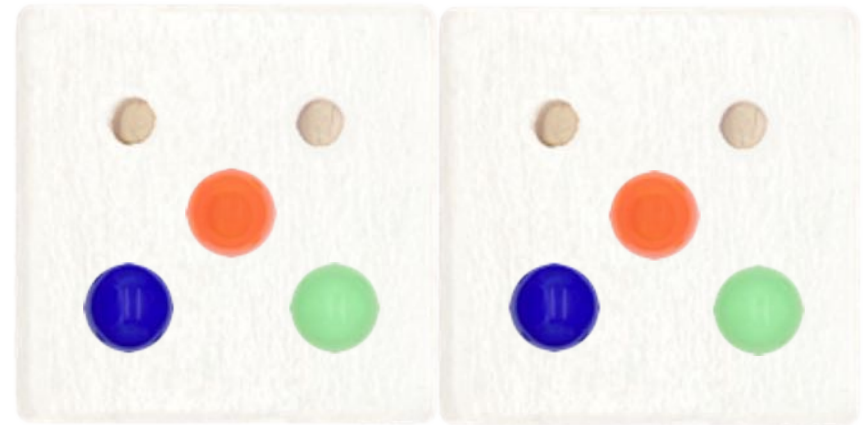
Copy the pattern, but change one thing

Copy the pattern, but
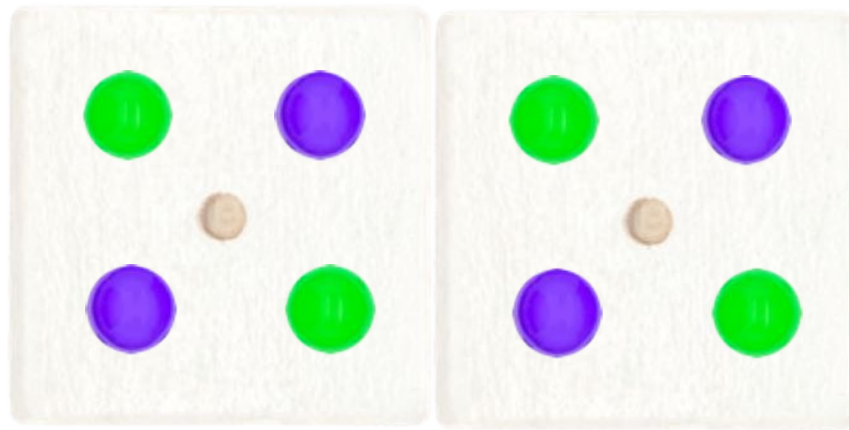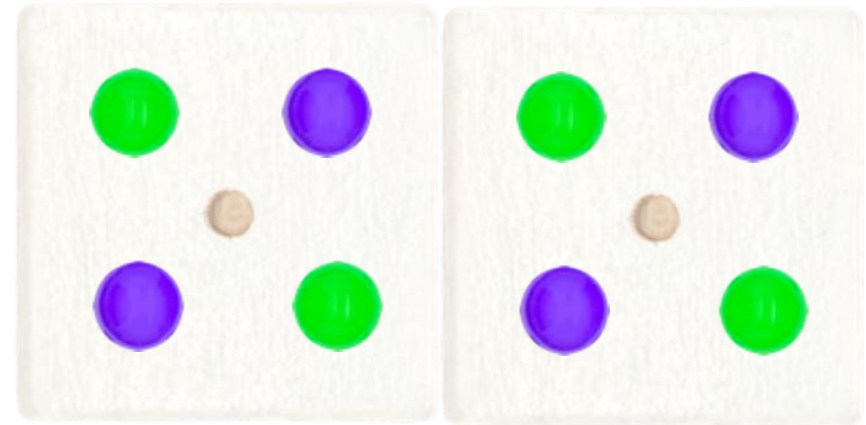use different colours

Copy the pattern

Continue the pattern

Copy the pattern, but change one thing

Copy the pattern, but
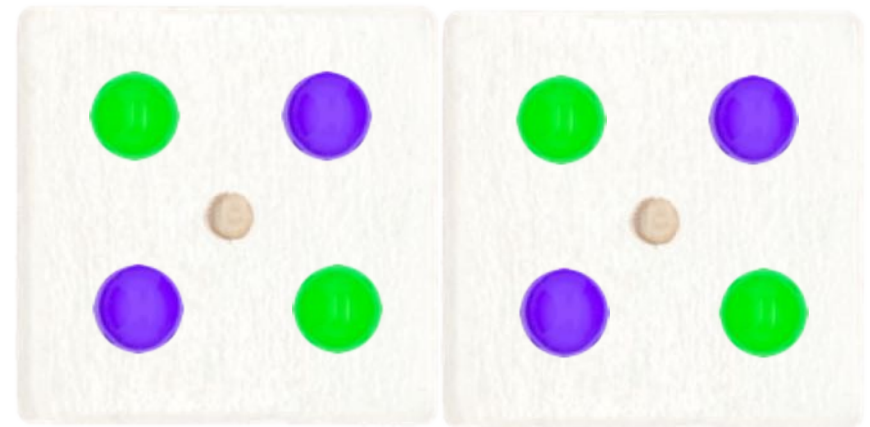use different colours

Copy the pattern

Continue the pattern

Copy the pattern, but change one thing

Copy the pattern, but
use different colours

Copy the pattern

Continue the pattern

Copy the pattern, but change one thing

Copy the pattern, but
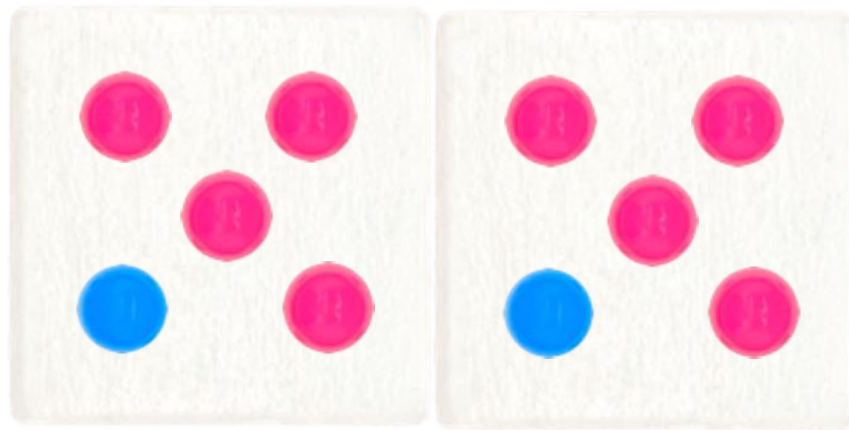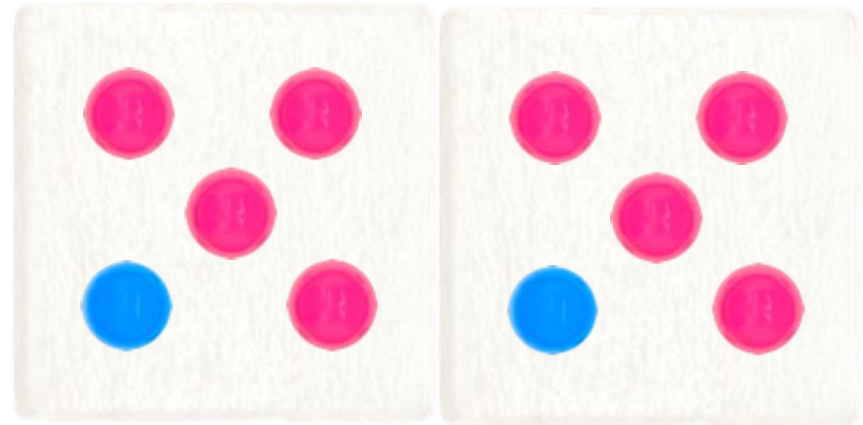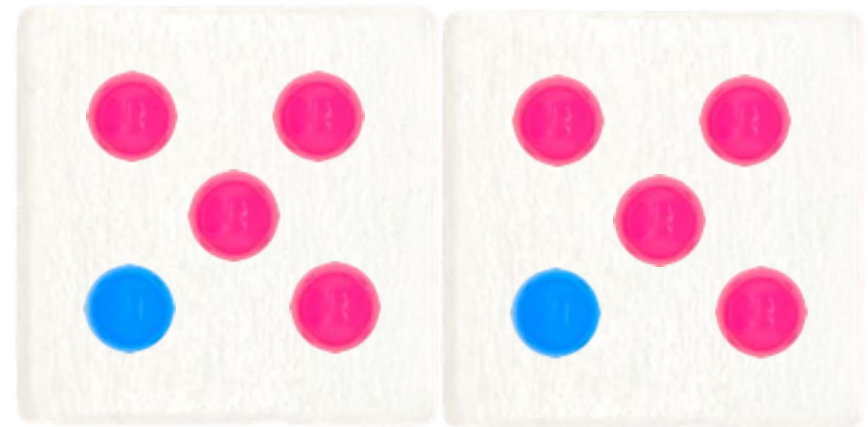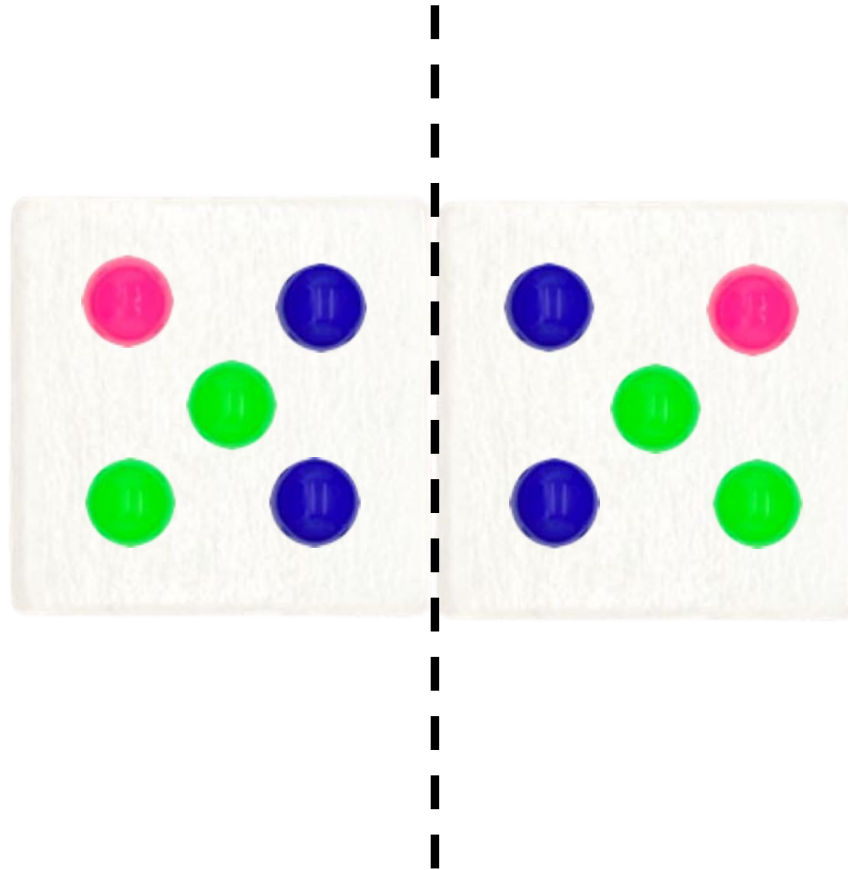use different colours

EXAMPLE

Mirror line

Mirror line