Use these blocks to build four block towers that have a green block on top.

How many different towers can you make?

Name/s: _____
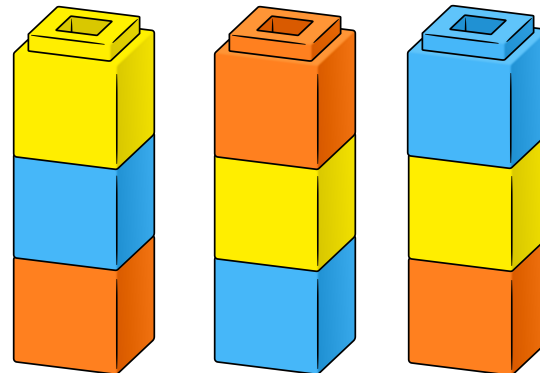
6

MATHS QUEST 1

Here are some tall towers I have built with these three blocks.

I haven't made all the different possible solutions.
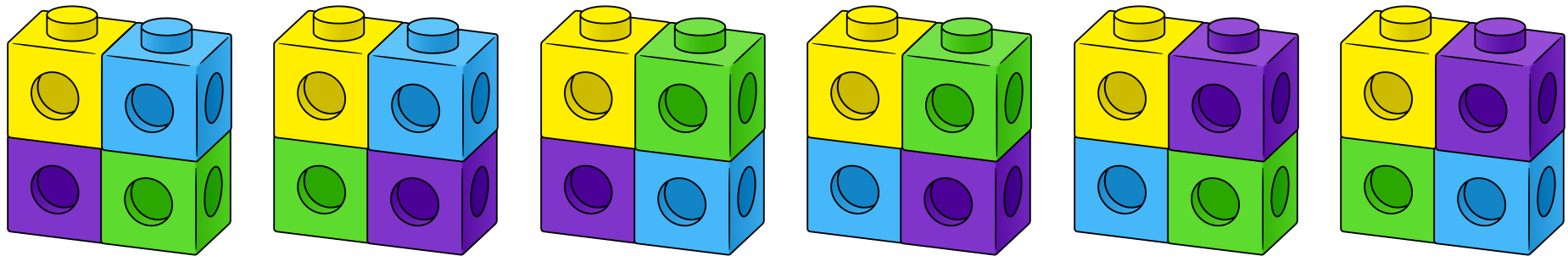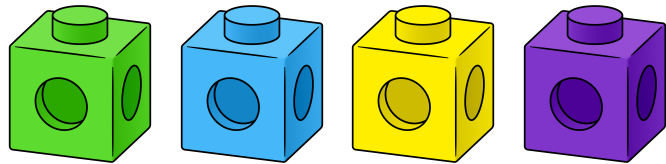
How many are missing? Draw them.
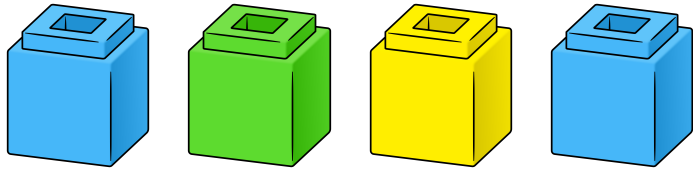
Name/s: _____

3

MATHS QUEST 2

Can you find the six different ways to connect these blocks if the yellow block is in the top left corner?

How many ways are possible when yellow and blue are both on top - in either corner?
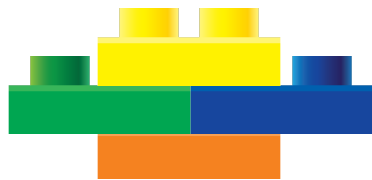
4

Name/s: _____

MATHS QUEST

3

Use these blocks to build four block towers that have a yellow block on top.

How many different towers can you make?

Name/s: _____

3

MATHS QUEST 4
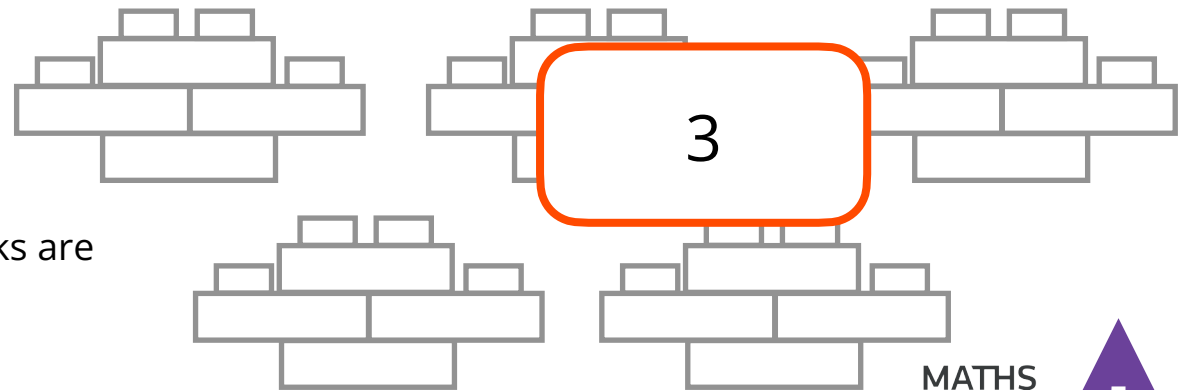

You might **not** need all the frames.

How many more ways can I build this shaped tower if the blue and green blocks are always in the middle row?
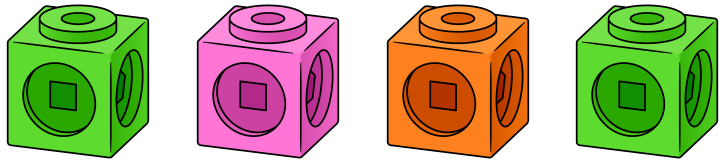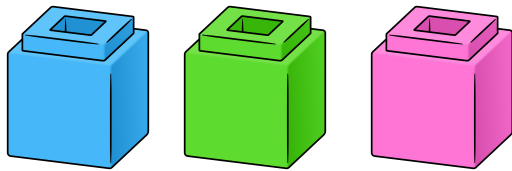I have shown you one example.

Name/s: _____

3

MATHS QUEST 5

How many different four block towers can I build if green and pink can never touch?

2

Name/s: _____

You might **not** need all the frames.

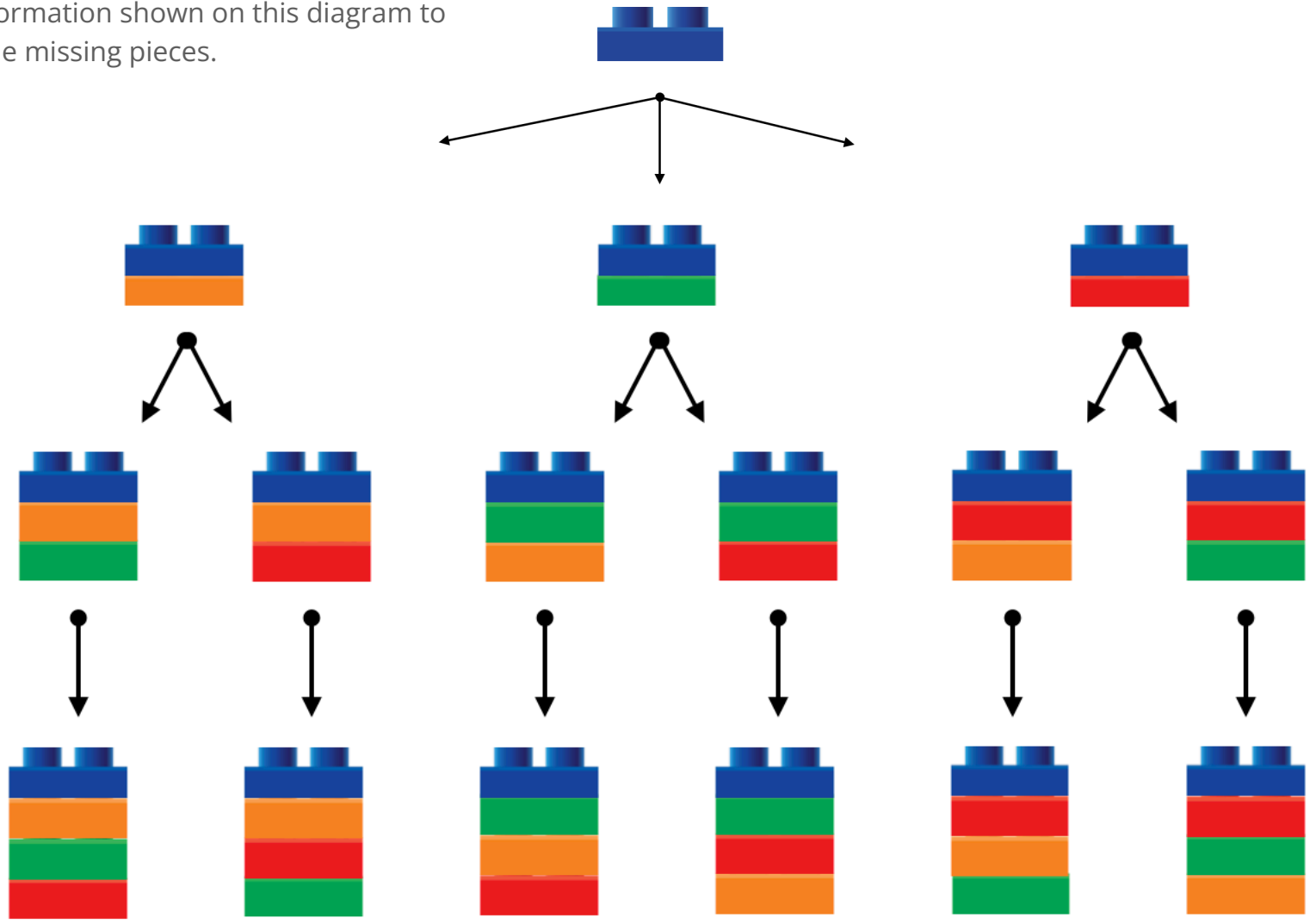How many ways can I build a tower so that the pink block is always touching the green block?
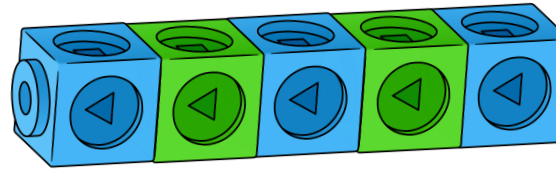
4
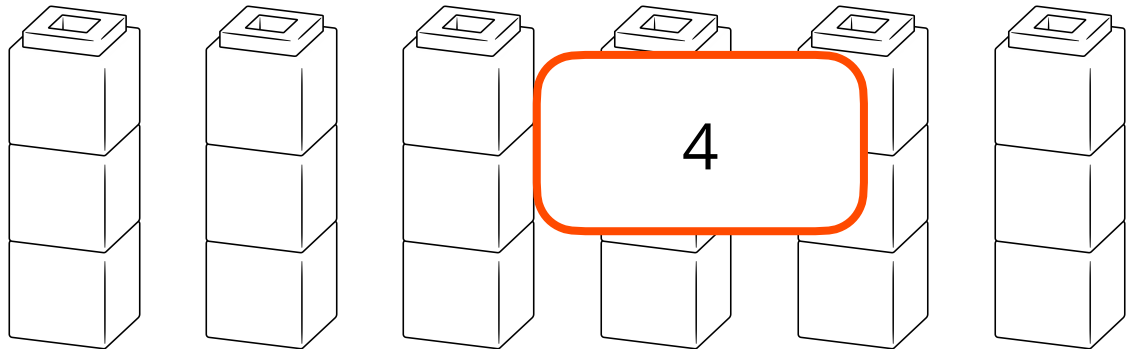
Name/s: _____

I used these blocks to build towers that have a blue block on top. I could make 6 different towers.

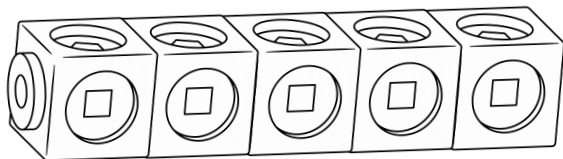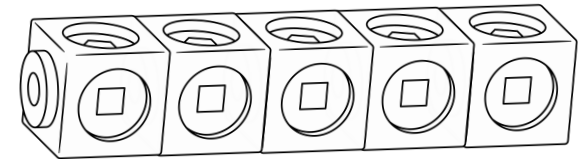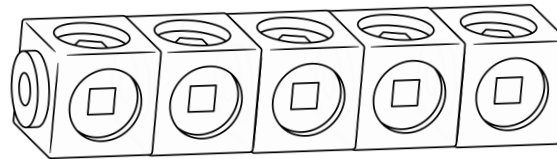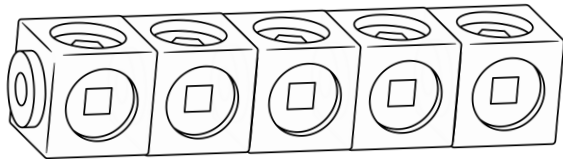Use the information shown on this diagram to colour in the missing pieces.

Name/s: _____

I have connected five blocks in a row.

Three are blue and two are green.

How many other ways can I connect them?

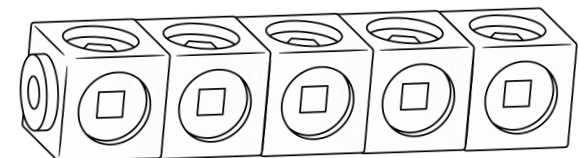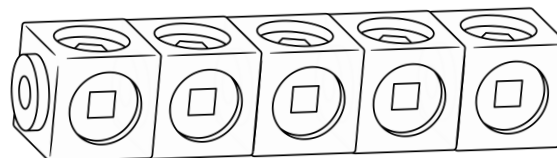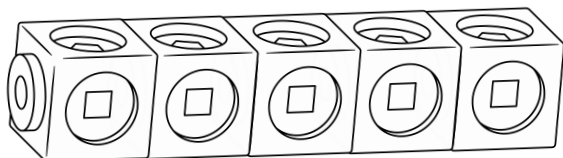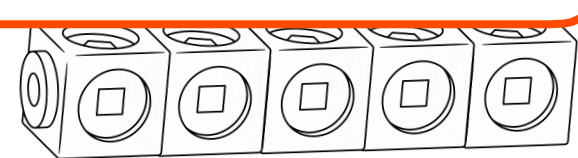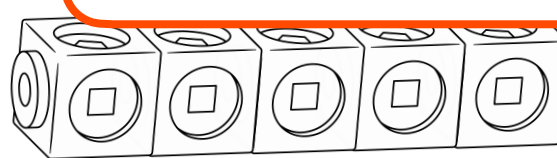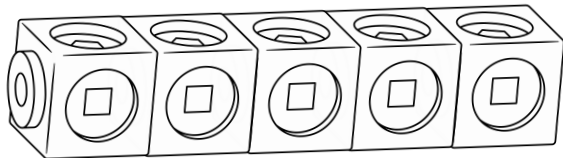You might **not** need all the frames.

There are 10 in total, but one is given, so there are 9 others ways.

Name/s: _____

MATHS QUEST

9