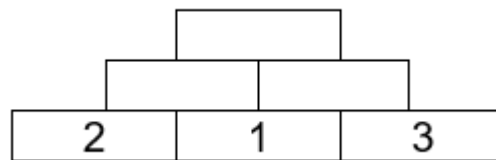


## Number Pyramids Week – Additive Reasoning Y1/2

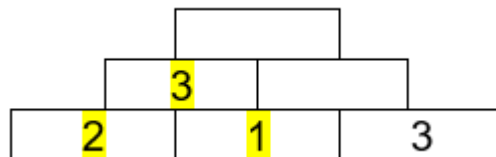
### You will need this for the week:

Help from an adult to get started. Either watch

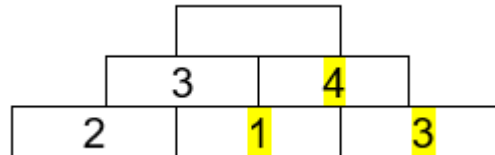
[https://www.youtube.com/watch?v=-kyV0ai\\_oGU](https://www.youtube.com/watch?v=-kyV0ai_oGU) (up to 1 minute 27 seconds) or using the instructions below, create the first pyramid



- To make a number pyramid start with the numbers at the bottom, add the two numbers next to each other – put the answer above



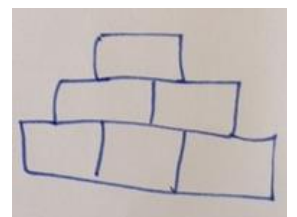
- Now add the other two numbers at the bottom and put the answer above



- Now add the two numbers in the middle layer and put the answer right at the top



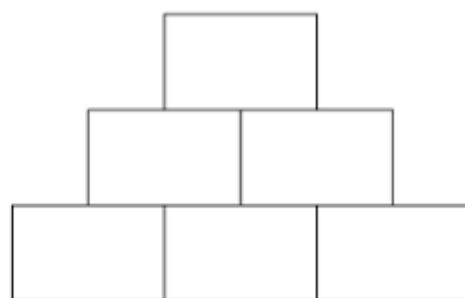
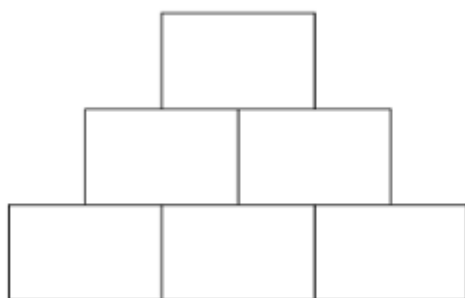
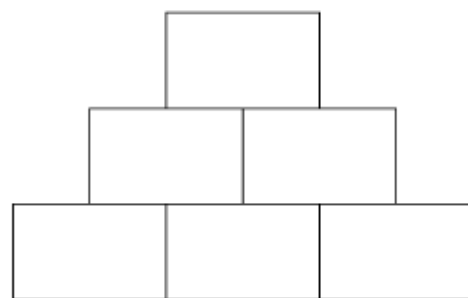
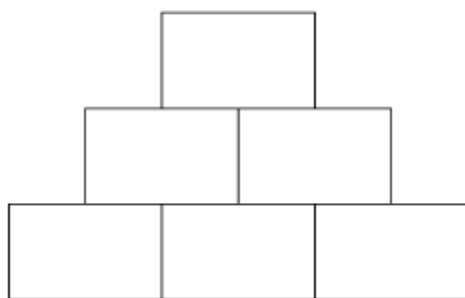
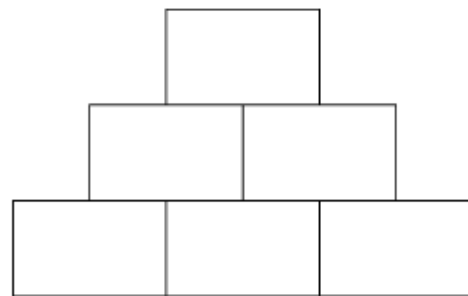
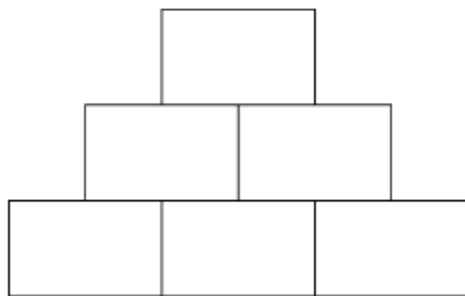
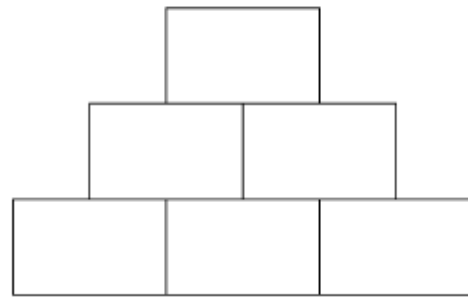
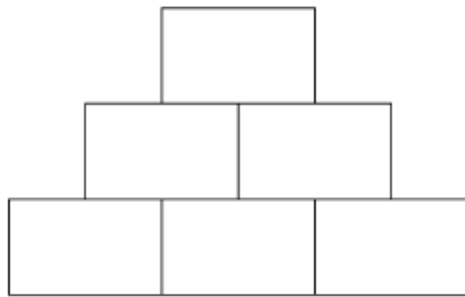
- Paper and pencil
- Printed sheet of pyramids or pyramids drawn on paper
- To keep your pyramids as you work through the week



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Website: [www.babcockldp.co.uk/improving-schools-settings/mathematics](http://www.babcockldp.co.uk/improving-schools-settings/mathematics)

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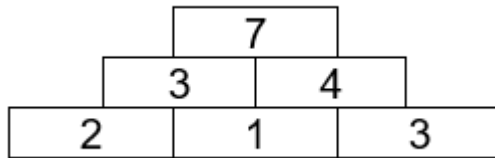


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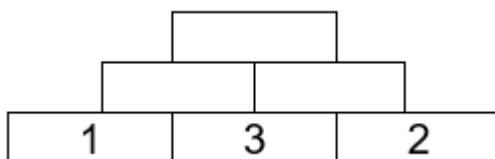
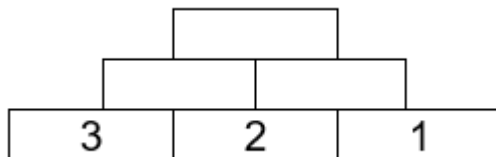
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## Number Pyramids Week – Additive Reasoning Y1/2

### Day 1



- Look at how this pyramid has been made
- Complete these two pyramids



- Can you find another way to order the numbers 1, 2 and 3 in the bottom layer? And another...and another.
- What do you notice about the numbers in the top of each pyramid?

#### **Notes for adults working with groups of children**

- Children may need resources to support the addition e.g. Numicon, bead strings...

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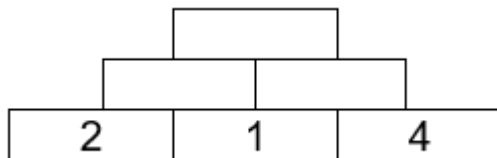
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## Number Pyramids Week – Additive Reasoning Y1/2

### Day 2

- Using the three digits 2, 1 and 4 how many different pyramids can you make?



- How many different numbers can you make at the top?
- What is the biggest number you can make?
- What is the smallest number you can make?
- What do you notice about pyramids from day 1 and today?

#### **Notes for adults working with groups of children**

- Children may need resources to support the addition e.g. Numicon, bead strings...

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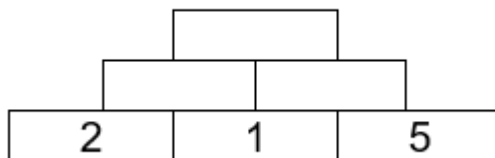
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## Number Pyramids Week – Additive Reasoning Y1/2

### Day 3

- Using these three digits 2, 1 and 5 how many different pyramids can you make?



- How many different numbers can you make at the top?
- What is the biggest number you can make?
- What is the smallest number you can make?
- What do you notice about the pyramids from days 1, 2 and today?

#### ***Notes for adults working with groups of children***

- Children may need resources to support the addition e.g. Numicon, bead strings...

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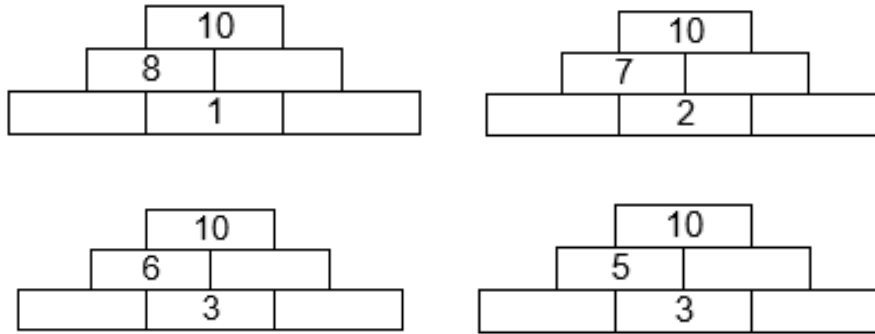
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## Number Pyramids Week – Additive Reasoning Y1/2

### Day 4

- Look at these pyramids



- Can you work out the other numbers that fit into these pyramids?
- Where is a good place to start when working out the missing numbers in each pyramid?
- Could there be any other pyramids with 10 at the top?

#### *Notes for adults working with groups of children*

- Children may need resources to support the addition and subtraction e.g. Numicon, bead strings...

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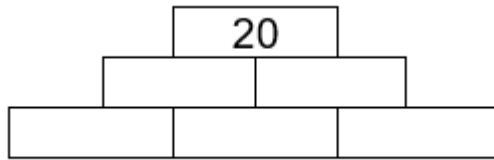
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## Number Pyramids Week – Additive Reasoning Y1/2

### Day 5

- Look at this pyramid:



- How many different pyramids can you make with 20 at the top?
- What do you notice?

#### *Notes for adults working with groups of children*

- Children may need resources to support the addition and subtraction e.g. Numicon, bead strings...

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