

Phase 5 – Book List

Reading to children is an essential part of their development. Any of these books would be useful during the phase Growing 6, 7, 8

Date: Week 4 (Spring 1)

Six Dinner Sid – Inga Moore

Kipper's Toybox – Mick Inkpen

Sidney the Silly Only Eats Six – M W Penn

Anno's Counting Book – Mitsumasa Anno

What the Ladybird Heard – Julia Donaldson

Simon's Sock – Sue Hendra

Pairs! In the Garden – Smriti Prasadam-Halls

The Giraffe who got a Knot – John Bush

Titch – Pat Hutchins

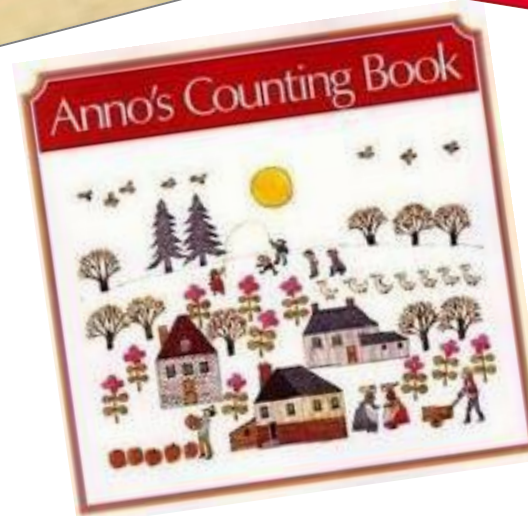
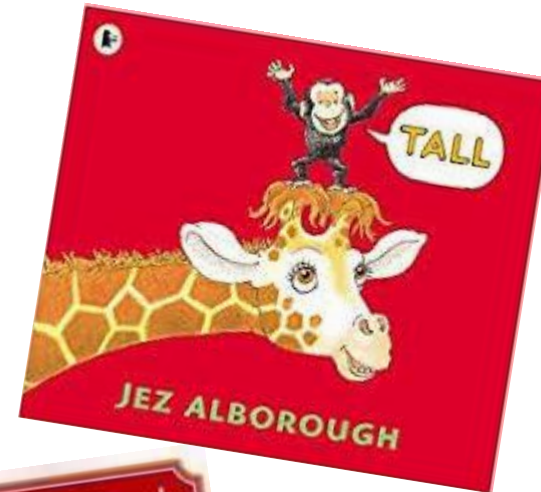
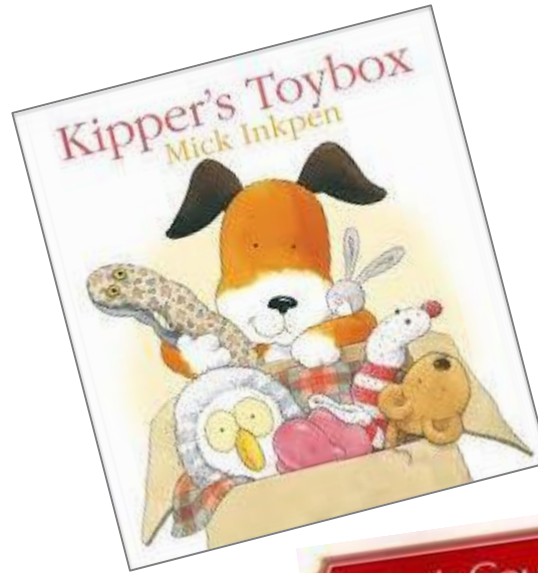
Tall – Jez Alborough

Jack and the Beanstalk – Traditional

Jim and the Beanstalk – Raymond Briggs

Mr Wolf's Week – Colin Hawkins

Jasper's Beanstalk – Nick Butterworth



6, 7 and 8

Guidance

Children continue to apply the counting principles when counting to 6, 7 and 8. They represent 6, 7, and 8 in different ways and can count out the required number of objects from a larger group.

Arranging 6, 7 or 8 items into small groups will support the children to conceptually subitise and see how the numbers are made up of smaller numbers.

Eg. I know it is 8 because I see 4 and 4

Encourage the children to order and compare their representations, noticing the one more/ less patterns as they count on and back to 8

Other Resources

Six Dinner Sid – Inga Moore

Kipper's Toybox – Mick Inkpen

Sidney the Silly Only Eats Six – M W Penn

Anno's Counting Book – Mitsumasa Anno

What the Ladybird Heard – Julia Donaldson

Prompts for Learning

Note: All the prompts for representing, comparing and composition to 5 can be applied to 6, 7, and 8

Begin with a story such as Six Dinner Sid. How many times do they meet 6 ? Ask the children to make houses to represent Sid's street. Can they number the doors and order the houses from 1 to 6?

What if we added another house? And another?

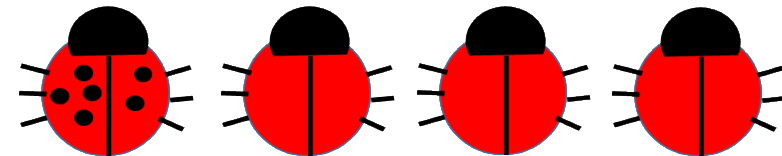
How many legs does a ladybird have?

How many spots?

Do you know any other creatures with 6 legs?

Use counters to add 6 spots to the other ladybirds.

Can you find more than one way to do it?



How many colours do you see in the rainbow?

Can you paint a rainbow with 7 colours?

Can you make rainbows using objects around the classroom? How many colours did you use?

Can you find the rainbow in Anno's counting book?

6, 7 and 8

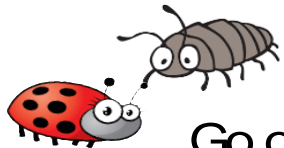


Maths Area

Encourage the children to think about where we see 6, 7, and 8 in everyday life and to make collections of 6, 7 and 8 objects in the classroom.

Sort these items into 6, 7 and 8
How else could you show 6, 7, and 8?

Enhancements to areas of learning



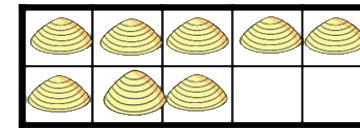
Outdoors

Go on a mini-beast hunt.

Use magnifying pots to observe the creatures carefully. How many legs can they see? Provide pictures to help them identify what they find. Ask the children to make careful drawings of the creatures they find.

Loose Parts

Provide a range of loose parts such as buttons, beads, pebbles, shells and some ten frames. Ask the children to count 6, 7, and 8 items onto the 10 frames. How many do they have? Can they see without counting? The children may also enjoy filling large 10 frames outside.



Kipper's Toybox

Provide a basket of toys for the children to use to re-enact the story. Take turns to 'hide' one of the toys. Can the children spot which toy is missing? How many toys are there now?

What if an extra toy arrives?
How many will there be now?



Making Pairs

Guidance

Children build on their earlier work on matching to find and make pairs. They begin to understand that a pair is two. Provide collections of items which come in pairs.

Encourage the children to arrange small quantities into pairs and notice that some quantities will have an odd one left over with no partner.

Teach the children to play games which involve matching pairs for example snap or memory games.

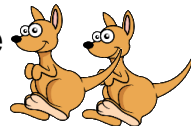
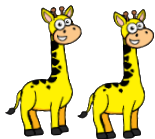
Other Resources

Simon's Sock – Sue Hendra

10 Fat Sausages

12 Buckle my Shoe

Noah's Ark



Pairs! In the Garden – Smriti Prasad-Halls

Webgamesonline.com/memory/

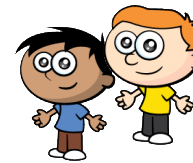
Prompts for Learning

Collect a basket of small items in pairs – have enough items for each child to have one. As the children come into the classroom ask them to collect one item from the basket. When all the children have arrived, ask them to find who has the same and sit together in a pair.

Have a basket of unsorted socks or wellies and ask the children to help you sort them into pairs.

Can they spot which pairs go together?

Why do they match?



Ask the children to get into pairs ready for a game or to line up in pairs for a Spring walk.

Do they notice any pairs on their walk?

They could also face each other in pairs and take it in turns to mirror the other's actions or play bunny ears.

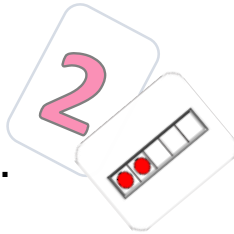
Encourage children to investigate making pairs using different quantities of small world creatures, cubes or counters. Which quantities will make pairs and which will have one left out? Do they notice a pattern?

Making Pairs

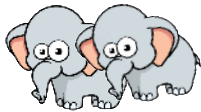
Maths Area

Provide a set of cards with different representations of the numbers to 8. Teach the children how to play pair games such as snap and memory matching games.

Add some blank cards and encourage the children to create their own sets of cards in pairs to use.



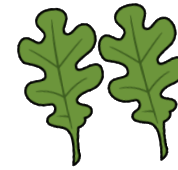
Enhancements to areas of learning



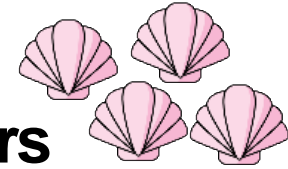
Small World

Encourage the children to match pairs of animals to create their own Noah's Ark procession.

Can they build their own arks?
Can they fit all the pairs of animals inside?

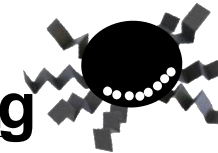


Outdoors



Provide collections of items that can be arranged into pairs. Encourage the children to notice which quantities make even pairs and which have an odd one left over. Do they notice a pattern?

Modelling



Follow the mini-beast hunt by providing a variety of materials for the children to create their own insect models. Encourage them to fold zig-zags to give their insects springy legs.

How many pairs of legs will they add to their creatures?

Combining 2 Groups

Guidance

Children begin to combine 2 groups to find how many altogether. They should be given opportunities to do this in many contexts using real objects.

Eg. There are 3 frogs on the log and 4 in the pool. How many frogs altogether?

Encourage the children to subitise where possible although they may need to count in ones to find how many altogether.

The interactive whiteboard files can also be used to create pictorial scenes for the children to discuss.



Other Resources

WRM Interactive whiteboards

Dice and board games

Quack and Count by Keith Baker

The Elephant and the Bad Baby – Elfrida Vipont

Don't forget the Bacon – Pat Hutchins

Prompts for Learning

Tell your partner about the flowers. How many purple flowers can you see? How many blue flowers?

How many flowers altogether?



Spread a set of dominoes out face down.

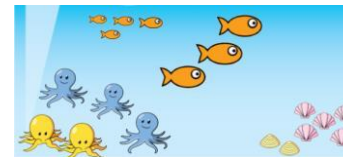
Ask the children to pick a domino and tell their partner how many spots there are on each side. Can their partner tell them how many spots on the domino altogether?

What if my domino has 6 spots? How many could be on each side? Can you draw a domino with 6 spots?

Can you draw more than one?



Provide pictures or small world scenes which provide opportunities for combining 2 groups.



What can you see in the picture?

How many big fish can you see?

How many small fish?

How many fish altogether?

I spy a group of 3 and a group of 2. What am I looking at?

Combining 2 Groups

Maths Area

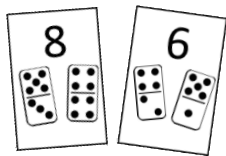


Provide simple board games and pairs of dice. The children roll 2 dice and move the required number of spaces on the board. Ask: What numbers did you roll?

How many altogether?

How many do you need to win the game?

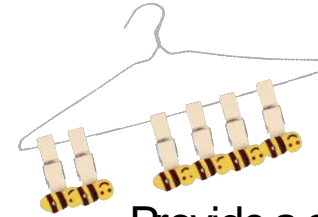
(1-3 dice could be used first before moving onto 1-6)



Small World

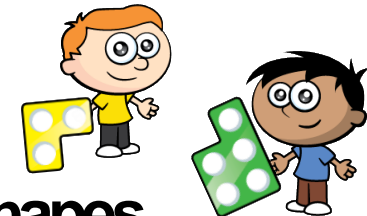
Provide a set of dominoes and a large 'parking area' with numbered garages. Ask the children to find the total amount of spots on the dominoes and park them into the correct garage!

Enhancements to areas of learning



Finger Gym

Provide a coat hanger and a basket of pegs. Ask the children to put the pegs onto the hanger and to explore how their numbers can be partitioned in different ways and recombined to see how many altogether.



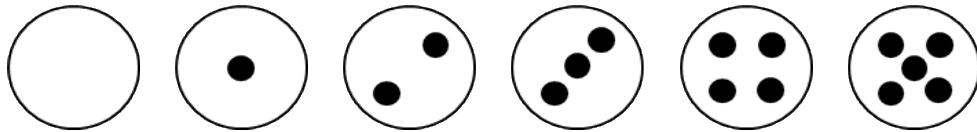
Number Shapes

Provide an assortment of 1-5 number shapes. Ask the children to choose a number shape. Next, find a friend and combine their shapes to see what number they can make altogether? Repeat by moving to different friends.

Digging Deeper

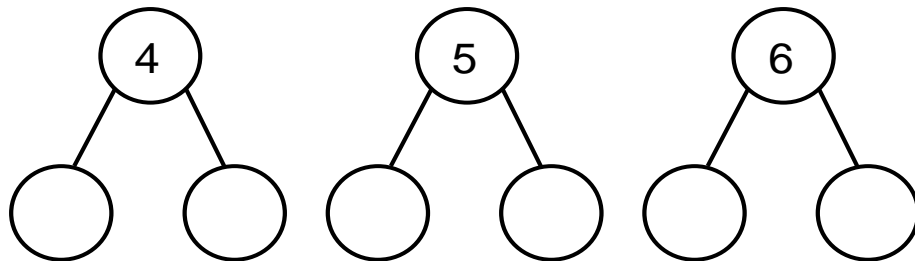
Dot Plates

Provide children with dot plates or cards from 0 to 5



Ask the children to arrange the 6 plates so that they have:

- a pair of plates with a total of 4 dots
- a pair of plates with a total of 5 dots
- a pair of plates with a total of 6 dots



Is there more than one way to solve the problem?

Key Questions

How many dots does each plate have?

How many dots are there on these 2 plates together?

Can you find 2 plates which have (4, 5, 6) dots?

Is there more than one way to make (4, 5, 6) dots?

Can you find more than one way to arrange your 6 plates to make the given total?

What other totals can you make with your plates?

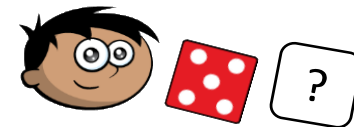
Exploring Possibilities

Jack rolled 2 dice and scored 10



Amir scored less than Jack.

One of Amir's dice showed 5.



What other number **could** Amir have rolled?

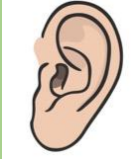
Is there more than one answer?

Are there any numbers Amir **could not** have rolled?

To be able to follow simple rules and expectations

Date:

1. Good listening



2. Good sitting



3. Good looking



4. Wait for your turn to speak/ answer



5. Hands to your self



Word bank

Recap: to identify one more and one less of a given number

Date: Monday

How many
candy canes?



What is one
more? How do
we show that
on the number
line?

0 1 2 3 4 5 6 7 8 9 10

Recap: to identify one more and one less of a given number

Date: Monday

What number
can you see?



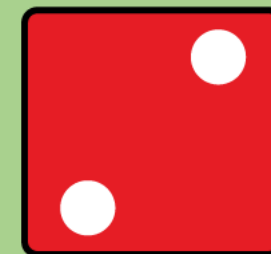
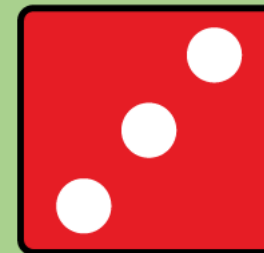
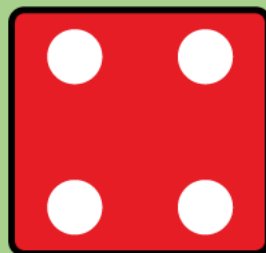
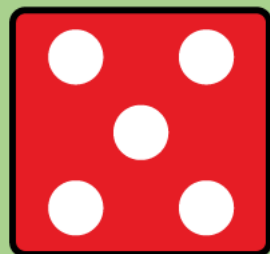
What is one
less? How do
we show that
on the number
line?

0 1 2 3 4 5 6 7 8 9 10

Recap: to match quantity to number

Date: Monday

I will click on the screen and you will say the number on the dice, write the number down as quickly as possible.

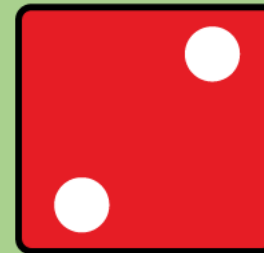
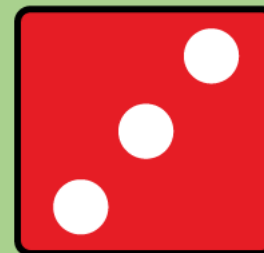
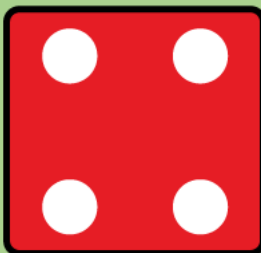
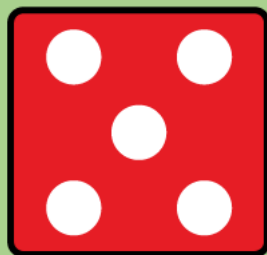


0 1 2 3 4 5 6 7 8 9
10

Recap: to order numbers

Date: Monday

Can you put the numbers in order from smallest to biggest?



0 1 2 3 4 5 6 7 8 9
10

Growing at 6,7,8

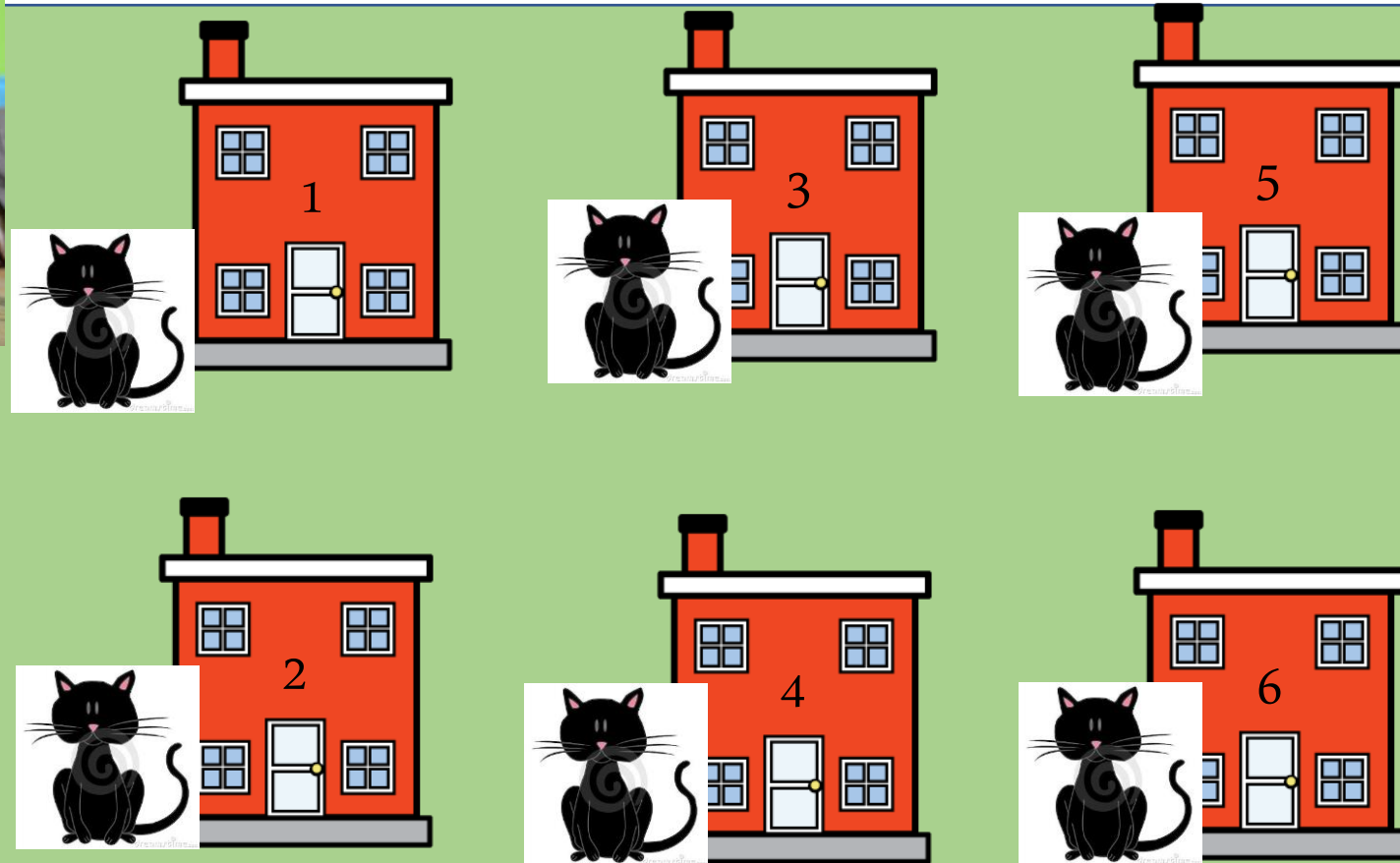
LO: To find different ways of representing the number 6

LO: To identify shapes with 6 sides

Date: Monday



Hi my
name is
Sid!



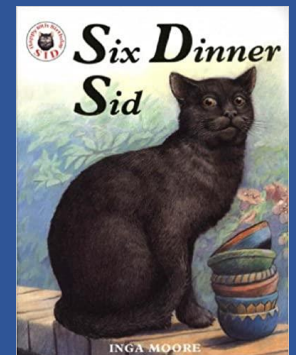
Sid lives at 6 different houses, he visits each house and gets his food 6 times.
What number do you think we are learning about today?

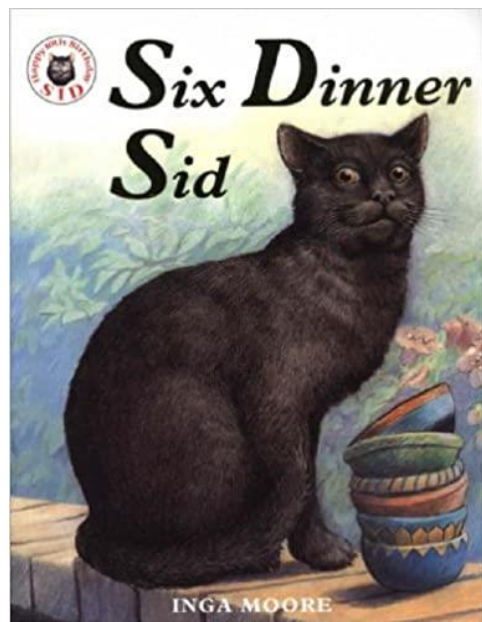
Word bank

six

6

Number
represent





Watch the story at your own time

Growing at 6,7,8

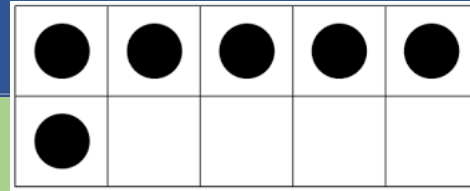
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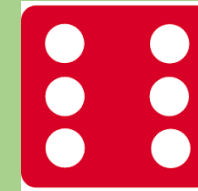


Date: Monday

The number 6 can be shown in lots of different ways.



six



6



Word bank

six

6

Number
represent

- Click the PPT to reveal different representations
- I will give you a few seconds to find objects in your house to represent the number 6
- Now can you represent the number 6 through a pictorial method.

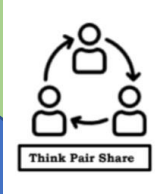
Growing at 6,7,8

LO: To find different ways of representing the number 6

LO: To identify shapes with 6 sides



Date: Monday



With your partner, can you think of another way to represent the number 6?

six
6

Think about how you can represent 6 with your body/ fingers etc

Word bank

six

6

Number
represent



Virtue and values:
team work
Respecting other peoples opinions

Few seconds for chn to discuss other ways of representing 6.
Select a few children to provide feedback

Growing at 6,7,8

LO: To find different ways of representing the number 6

LO: To identify shapes with 6 sides



Date: Monday

You can even
represent 6
through...

6 six



Word bank

six

6

Number
represent



Virtue and values:
team work
Respecting other
peoples opinions

Have a go at the different ways of representing 6 as a class.

Growing at 6,7,8

LO: To find different ways of representing the number 6

LO: To identify shapes with 6 sides



Date: Monday

Can you
write the
number and
word 6?



6

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Word bank

six

6

Number
represent



Virtue and values:
team work
Respecting other
peoples opinions

Practise forming the number correctly on body then on wbs
Use phonics to segment and write the word six.

Growing at 6,7,8

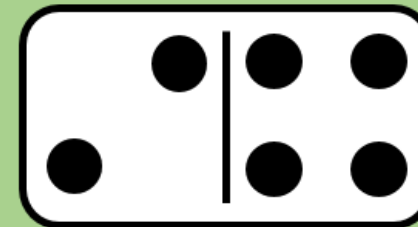
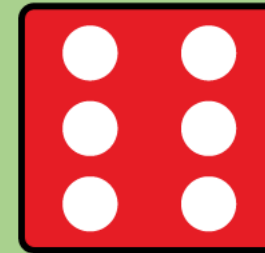
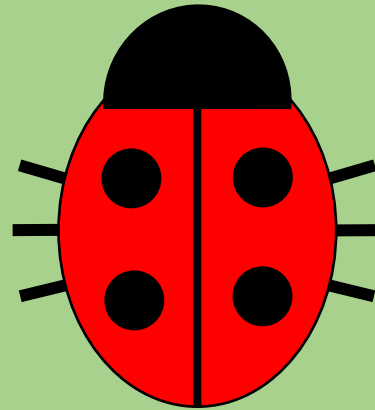
LO: To find different ways of representing the number 6

LO: To identify shapes with 6 sides



Date: Monday

Can you help
me find the
number 6 or
objects that
represent 6?



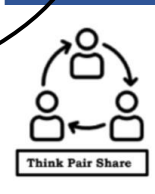
Word bank

six

6

Number
represent

Spot the correct representation



Growing at 6,7,8

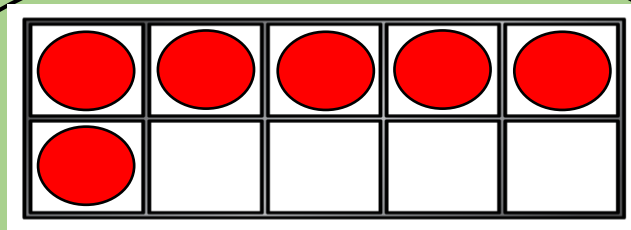
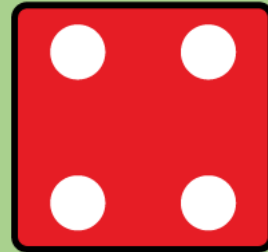
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Date: Monday

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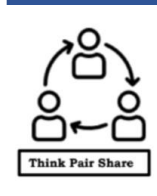
Word bank

six

6

Number
represent

Spot the correct representation



Growing at 6,7,8

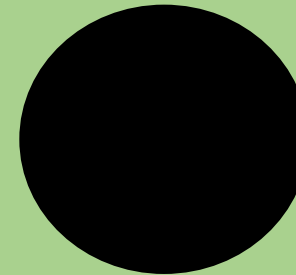
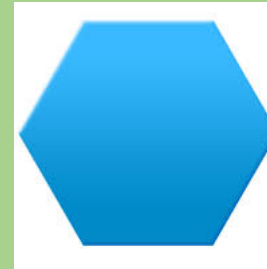
LO: To find different ways of representing the number 6

LO: To identify shapes with 6 sides



Date: Monday

Can you spot the shape
with 6 sides?



Word bank

six

6

Number
represent

Six sided shape is called a HEXAGON

Growing at 6,7,8

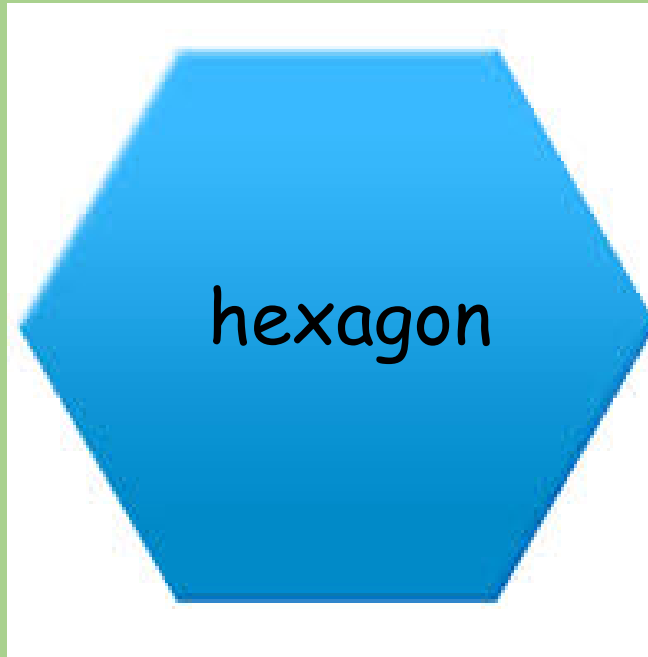
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LO: To identify shapes with 6 sides



Date: Monday

Can you spot the shape
with 6 sides?



Word bank

six

6

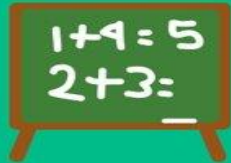
Number
represent

Six sided shape is called a HEXAGON

Challenge :

Can you find a 6 sided shape in your house?

The CPA Approach

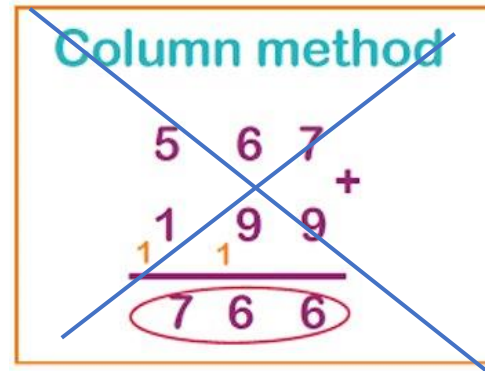


CONCRETE -
using physical objects
to solve maths problems.

PICTORIAL -
using drawings
to solve maths problems.

ABSTRACT -
solving maths problems
using only numbers.

www.thirdspacelearning.com



These are the main methods we use to teach children math concepts.

When doing math with the children it is important that they are secure in using these methods. As they go into KS1 and 2 they will be using these strategies to learn more complex math concepts.

Please avoid teaching methods that we have not shown on previous slides

Main Task – Practise solving sums using a range of strategies

Adults– use this as an assessment week. Identify what your child is confident with and what they need help with.

Use this week to work on the method they find difficult and feedback to us, so that we can plan for the upcoming weeks

Assessment at the end of the session

I would like all adults to access the below link and share assessments on the below maths strategies at the end of the session. Your child can leave for this part.

Today will try a short multiple questions on slido.com.

Please click the link below: <https://app.sli.do/event/jsj7gxq0>

Passcode/ pin is: 55323



slido



Growing at 6,7,8

LO: To add and subtract single digit numbers



Date: Monday

$$4 + 2 =$$

$$6 - 2 =$$

Word bank

six

6

Number
represent

Main Task – Practise solving sums using a range of strategies
Pictorial method – use drawings to solve the problems



Growing at 6,7,8

LO: To add and subtract single digit numbers



Date: Monday

$$5 + 1 =$$

$$6 - 4 =$$

Word bank

six

6

Number
represent

Main Task – Practise solving sums using a range of strategies
Concrete Method– Use objects to solve the sum



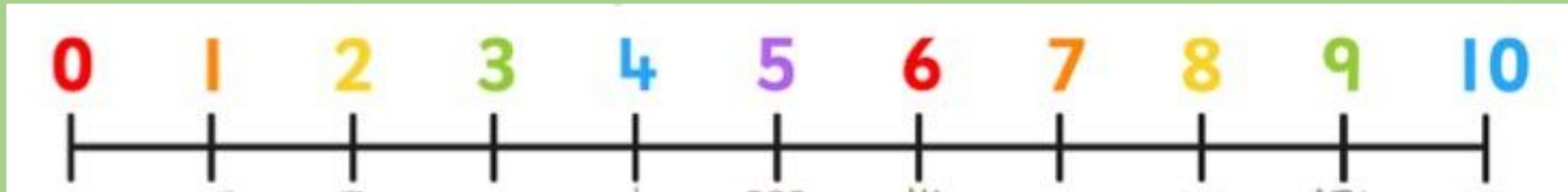
Growing at 6,7,8

LO: To add and subtract single digit numbers

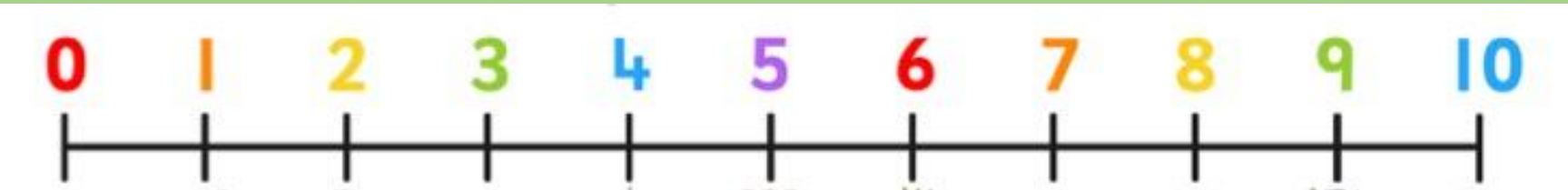


Date: Monday

$$3 + 3 =$$



$$5 - 4 =$$



Word bank

six

6

Number
represent

Main Task – Practise solving sums using a range of strategies

Abstract Method– Using numbers to solve the sums – **Number lines**

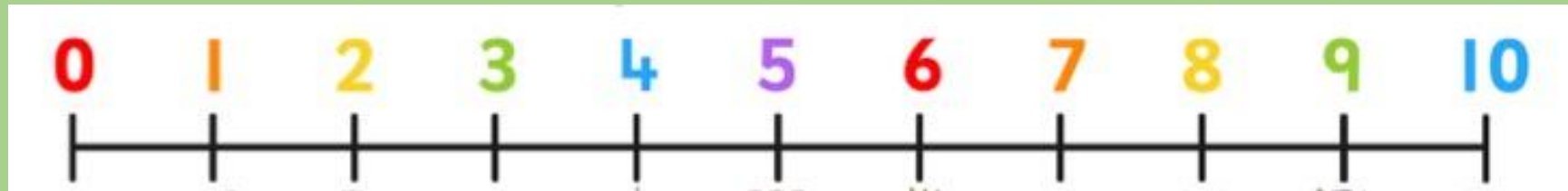
Growing at 6,7,8

LO: To add and subtract single digit numbers

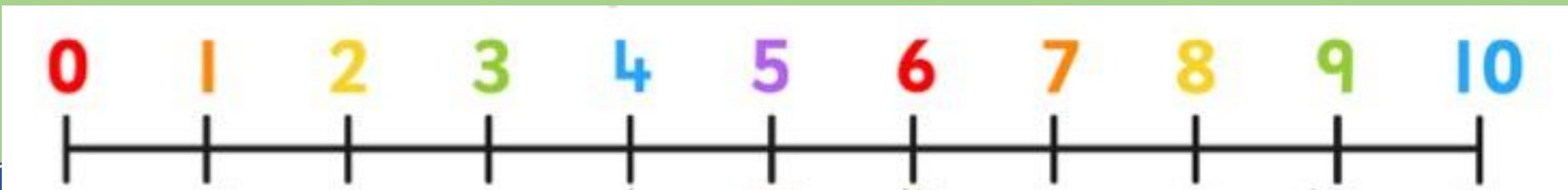


Date: Monday

$$5 + 2 =$$



$$6 - 6 =$$



Word bank

six

6

Number
represent

Main Task – Practise solving sums using a range of strategies

Abstract Method– Using numbers to solve the sums – **Counting on and back in your head**

Tomorrow – we will practise the following strategies:

ten frame

Numicon

To prepare you can watch the below videos:

<https://www.youtube.com/watch?v=if6VZlFAgnU>

<https://www.youtube.com/watch?v=p6RaMGDPfJg>

<https://www.youtube.com/watch?v=04Eo27vMGlk>

<https://www.youtube.com/watch?v=AB9tz9BFHMu>

<https://www.youtube.com/watch?v=xifpq8nCEzk>

<https://www.youtube.com/watch?v=vzeeaxLQDkE>

Growing at 6,7,8

LO: To find different ways of representing the number 6

LO: To identify shapes with 6 sides



Date: Monday

https://www.youtube.com/watch?v=H5s2A_p3ZsU



Word bank

six

6

Number
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Virtue and values:

Growing at 6,7,8

LO: To find different ways of representing the number 6

LO: To identify shapes with 6 sides



Date: Monday

<https://www.youtube.com/watch?v=jefdAJ7QpA0>



Word bank

six

6

Number
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Virtue and values: