

Reception



Maths Summer Learning

Name:

Instructions

- 6 weeks of practical activities for your child to practise their maths skills.
- For each week, there are several challenges for your children to complete around a mathematical focus.
- Key mathematical vocabulary will be in red.
- Key questions for you to use to help your child explain their learning are in red.



Week 1

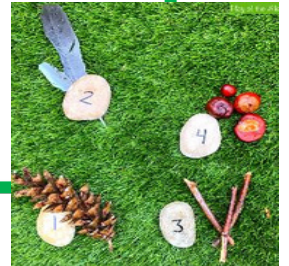
This week you are saying what you see...

Subitise!

Activity:

Go on a walk around your garden or to the local park.

Make a collection of natural items, putting them into a basket or a bag.



Challenge 1

Put your items into groups.

Subitise the amount in each group. Don't count, **say what you see.**



Challenge 3

Make a number line with your items. 1 stone, 2 leaves, 3 daisy's, 4 sticks etc.

Challenge 2

Place your items onto the 10 frame.

How many stones have you got? How many more do you need to make 10?

How many leaves are on your frame? Fill up the frame by adding stones.

How many stones have you needed?

What is the number bond to 10?



Week 2

This week you are **adding** numbers together...

Activity:

Make a collection of 10 of your favourite toys.

Dolls, trains, Lego bricks, cars etc. Place them into a bag, basket or a pillow case.

Challenge 1

Draw a + sign on a piece of paper and an = sign on another.

Write the numbers 1,2,3,4,5 on pieces of paper. (You can write them out twice for more sums). Have a pencil and a piece of paper ready to write down the sums.

Challenge 2

Choose a numbered piece of paper. Read the numeral. Count out that many toys. Place the + sign next to them. Choose another number. Count out this amount. Place the = next to them.

What is the sum?

Write it down.

Count the toys to find the total.

Hint... Use the number line to jump along the numbers to help you find the answer.

0 to 10 Number Line

0

1

2

3

4

5

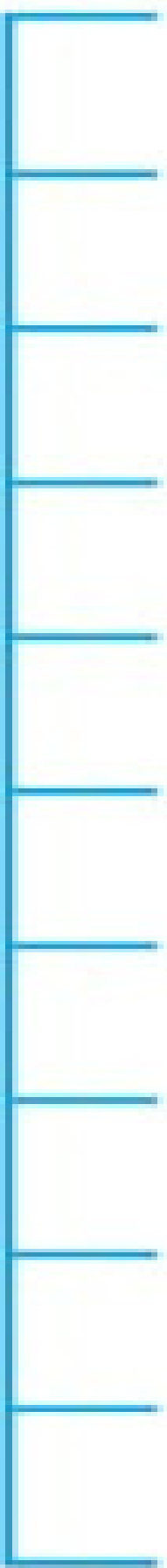
6

7

8

9

10



Week 3

This week you are **taking numbers away**...

Activity:

You are going to set up a small shop. Place 10 tins or food packets on a table. You need someone to play this game with you. Take in turns to be the shop keeper and the customer.

Challenge 1

Choose some items to have for sale. **How many have you got?**

The customer to choose some items to buy. **How many have they bought?**

What number did you start with? How many items were sold? How many have you got left?

Challenge 2

You go and buy some items. Count how many items you have bought. **How many items were there to start with?**

How many have you taken away?

What is the sum? What is the total?

Challenge 3

Add some coins.

Use 1p, 2p 5p and 10p coins to help pay for the items.



Week 4

This week you are **sharing** numbers...

Activity:

Count out 10 pieces of dry pasta. (Or another small food item).

Have some plates. Choose some favourite toys to come to your picnic.

(You can add cups, straws, cutlery etc if you want).

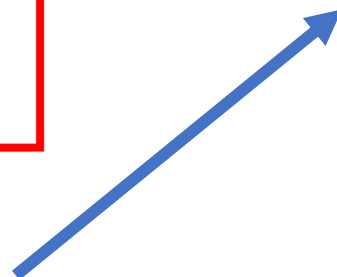
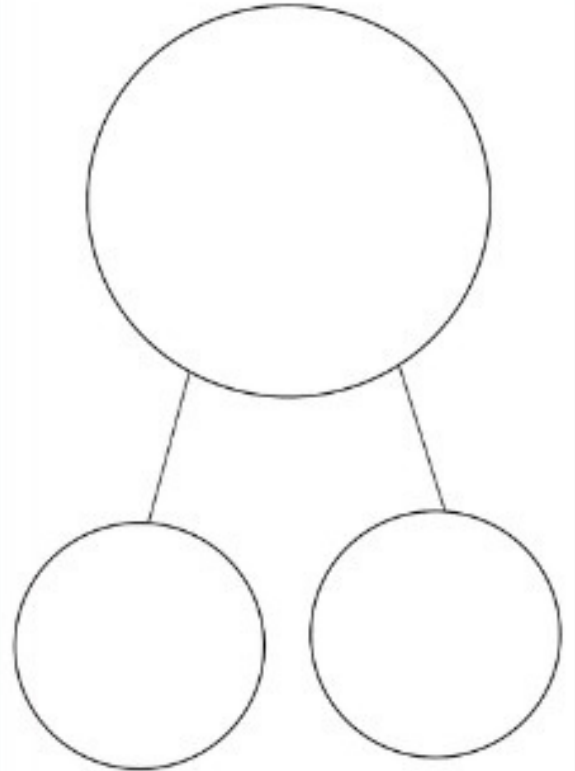
Challenge

Place out 2 of your favourite toys.

Give them each a plate.

Start by sharing 6 pieces of pasta. **How many pieces do they get each? Then share 8? Then share 7 or 9... how many pieces each? Any pieces left over?**

Add more toys and plates and keep sharing different amounts of food. Talk about what you notice.



Use the **Part Whole model** to help show your working out.

Week 5

This week you are counting in 2's and 10's

Activity:

Gather 5 pairs of socks. Ask a grown up to tie a piece of string / rope between 2 chairs. Gather some clothes pegs. Place all the socks into a basket and muddle them up!

Challenge 1

Find each pair of socks and hang up in pairs on the washing line. After each pair, count in 2's.

2,4,6,8,10

Write the numbers on pieces of paper. Muddle them up. Put the numbers under the socks as you count in 2's.



Challenge 2

Ask everyone in your family to take off their socks. Make a line, putting pairs of feet together. We are counting toes! Count in 10's – how many groups of 10 in your family?

Week 6

This week you are hunting for **shapes...**

Activity:

Cut out the glasses from the last page. These are your shape specs!

Go for a walk around your house wearing your shape specs.

Challenge 1

Spot different 2D (flat) and 3D (fat) shapes around your house.

What shape is your table? A clock?

How many square windows do you have?

How many corners does your front door have? Do you have any cushions? Do they have sides and corners? How many?



Challenge 2

Sort items by their properties.

Group them...

All the items that have 4 corners. All the items that have 3 sides etc.

Make sure you name the shapes.

Cut the two strips and fold along the dotted lines. Stick the folded ends to the tabs on the glasses.

