

Real Life Maths Activity Ideas

List of mathematical activities for a Shopping Bag



Questions you might ask/Vocabulary you might use

- How many items/counting?
- How much do they cost?
- Which is the heaviest/which weighs the most?
 - Which is the tallest?
 - Comparing length of items
- Reading and recognising numbers on packaging – barcode, weight, dates, time and date
 - Most expensive item
- Individual shape of items...’What shape is the tin’?
 - How many faces does the cube have?
 - Count the corners of the cube?
 - Find the numbers on the bottle label.
 - What numbers can you see on the receipt?
- Looking at prices and cost of items on receipt
 - Working out change when buying an item
- Let’s make a shop - How much will our items be in our shop? Let’s write a price label?

List of mathematical activities for Socks



Questions you might ask/Vocabulary you might use

- How many toes?
- Can you see a pattern on the sock?
- How many colours can you see?
 - Which stripe is wider?
- Which sock is the longest/shortest/thinnest?
- How many marbles can you fit in the sock?
 - Which sock can stretch the furthest?
- Which sock holds the most stones? Why? Which sock is heavier?
 - Describe the patterns
- How many socks? How many socks have I left if I take some away?
 - Can you match the pairs?
 - How many pairs can you make?
 - How many different patterns?
 - Put them in order of length.
- What shape is the sock/can you make with them?

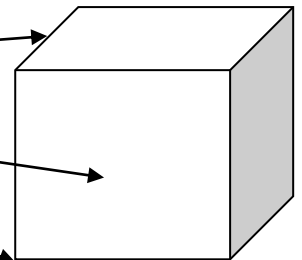
- What can you fit inside the sock?
- Count the patterns on the socks
- Compare the shape of a sock once worn
- How many belong to your mummy, you, daddy?
- Can you spot a repeating pattern on the socks?



List of mathematical ideas for Wrapping a present

Questions you might ask/Vocabulary you might use

- Is the paper the right size for the present? How much paper do we need to wrap around the box?
 - How are we going to stick the paper around the present?
- How many pieces of sellotape do we need/how long do they need to be?
 - Is there any leftover?
 - How much of something could fit in the box? Capacity
 - What shapes can you see on the wrapping paper?
- Recognising patterns and counting them on the wrapping paper
 - Making a pattern/wrapping paper
 - Is the present heavier than the paper?
 - How much did the present and paper cost?
- What shapes do you see after the present has been wrapped?
 - Which one is 2D/flat and which one is 3D/solid?
 - What shape is the present?
 - How many
 - edges,
 - faces,
 - Vertices
 - Side
 - Point to a face on the present
 - What size paper to cut
 - Shall we cut it in half?
 - What shape shall we cut it?
 - What shapes can we see on the paper?
 - How many snowmen/santas/reindeer?
 - How much does the present cost?
 - How many sides?
 - Large or small side down first?
 - Heavier or lighter than the paper?
- How many pieces of paper/tape to wrap it all up?
 - Make a triangle with the paper/end?
 - Cut it length ways
 - How many cuts to get across the paper?
 - Where to tape? In the middle, side, on top?
 - Hold the corners, edges.....



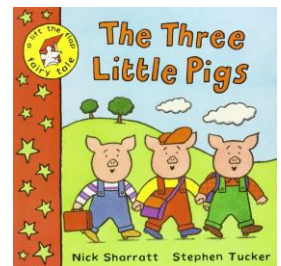
List of mathematical activities for The Hungry Caterpillar story



Questions you might ask/Vocabulary you might use

- Tell the story backwards and count back
 - Adding each day
 - 1 more, counting the fruit
 - Does he eat more/less?
 - Days of the week
- What day did he eat more.....?
 - Shapes of food
 - Halving food on Saturday
- Does the caterpillar get smaller/bigger? What happens as the caterpillar eats the food?
 - Count the caterpillar legs
 - Counting 1 more than
 - Sorting and matching
 - How many pages?

List of mathematical activities for The Three Little Pigs story



Questions you might ask/Vocabulary you might use

- Put them in order of size
- Which is the biggest, smallest, middle/medium size?
 - Which is the heaviest, lightest?
- Which pig would you get more sausages from?
 - If you subtract how many would there be?
 - How many legs and arms are there in total?
 - Total number of pigs, trotters, ears
 - How many eyes and noses and how many more eyes than noses?
- Retell the 3 pigs story and find extra props to share out and match the correct number using size language
- Biggest tummy – can we measure their tummies with a piece of string? 'The big pig tummy test' Compare pieces of string.
 - Can you see shapes on them?
 - Would you expect the biggest one to be heaviest?
- Put them in order of size, encourage using 'medium size, middle size' smaller, smallest and larger largest
 - Position order – 1st, 2nd, 3rd
 - Lengths of pigs if lined them up – measuring
- Compare and discuss the quantity of food the differently sized pigs would need
 - Which pig would fit in your lunch box? How do you know?
- Which pig is oldest? *(be careful of the misconception with size and age, my Nan is quite short but she's older than everyone in the family)*