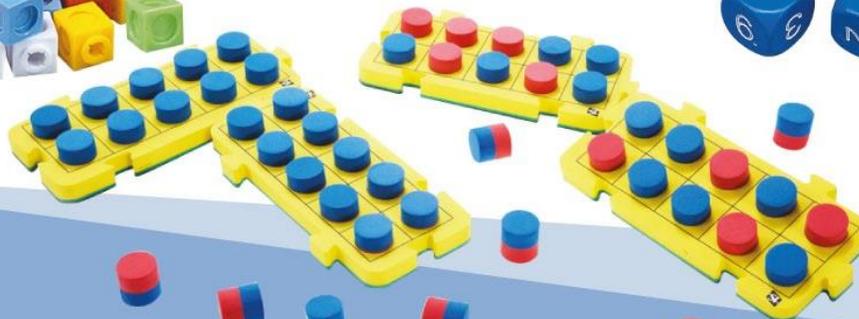
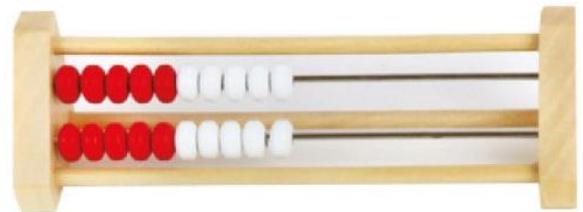
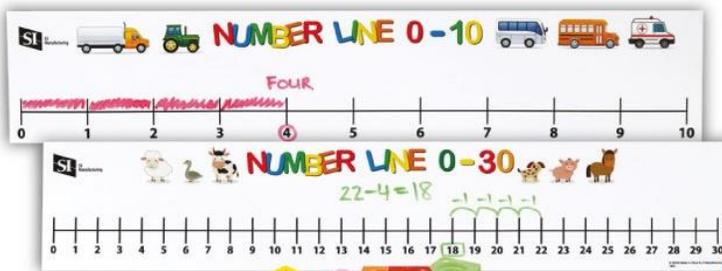


Learn at Home

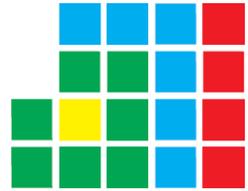
EARLY YEARS

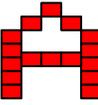
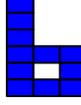
Math Kit

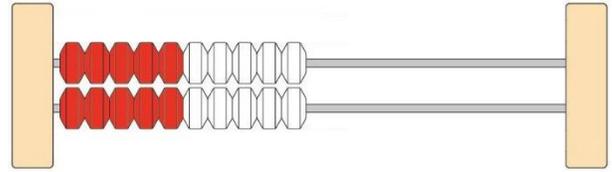


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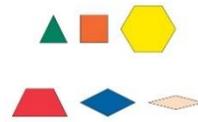


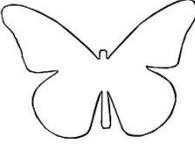
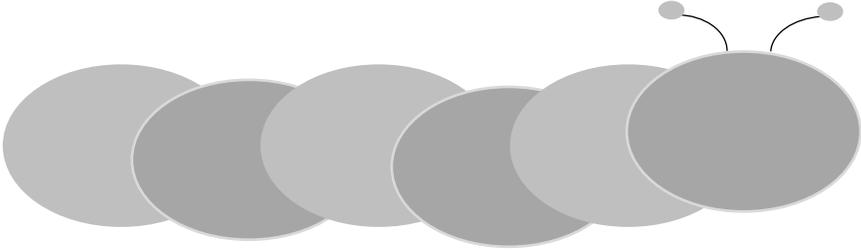


Early Years Tasks	Coloured Tiles (40 pcs)
<p>1 Make a Tile Train</p>	<p>Can you make a tile train that is longer than 5 tiles but shorter than 9 tiles?</p> <p>Can you make a tile train that is longer than 2 tiles but shorter than 7 tiles?</p> <p>Can you make a train that is longer than 8 tiles but shorter than 12 tiles?</p> <p>Which one of your trains is the longest? Which one of your trains is the shortest?</p>
<p>2 Your Name in Tiles</p>	<p>Can you use the tiles to make the letters in your name?</p> <p>How many tiles do you need for each letter?</p> <p>Which letter uses the most tiles to make?  </p> <p>Which letter uses the least tiles to make?</p>
<p>3 How many ways?</p>	<p>How many ways can you make two piles of tiles look the same?</p> <p>How many ways did you find? How do you know they are the same?</p> <p>How did you organize your tile to make them look the same?</p> <p>Did you line them up? Did you make a shape? Did you stack them?</p>
<p>4 More and Less</p>	<p>Make two piles of tiles to show that 3 is more than 2.</p>
<p>5 Hand Toss</p>	<p>Choose 5 tiles and hold them in your hand.</p> <p>Sitting on the ground, gently toss the tiles up and try to catch them again.</p> <p>How many landed on the floor? How many did you catch?</p> <p>Toss them up and see if you can catch just one tile. How many landed on the floor?</p> <p>Toss them up and see if you can catch two tiles. How many landed on the floor?</p> <p>Toss them up and see if you can catch three tiles. How many landed on the floor?</p> <p>Toss them up and see if you can catch four tiles. How many landed on the floor?</p> <p>Toss them up again and see if you can catch them all.</p>



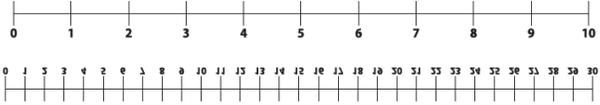
Early Years Tasks	Rekenrek (Student Abacus)
<p>1 I See...</p>	<p>"I see 5 red beads" Where do you see 5 red beads on your Rekenrek? Can you draw the 5 red beads?</p> <p>"I see 2 white beads" Where do you see 2 white beads on your Rekenrek? Can you draw them? Are there any numbers you see on your Rekenrek?</p>
<p>2 How Many Ways.</p>	<p>How many ways can you divide the top row of your Rekenrek?</p> <p></p> <p>Example: I can move one white bead over to the other side</p> <p>Did you find 2 different ways? Did you find 5 different ways? Did you find 10 different ways?</p>
<p>3 Guess My Number</p>	<p>Ask someone in your house to play a game with you called "How Many"</p> <p>Use the following clues to guess the number of beads your partner is thinking of.</p> <p>Is it bigger than...? Is it smaller than...? Is it on the top row? Does it include the bottom row? Is it red? Is it red and white? Do I have to push ___ beads over to the other side?</p>
<p>4 Counting One Two Three</p>	<p>You will need two dice and your Rekenrek.</p> <p>Roll two dice and count all of the dots.</p> <p>Find a way to represent the number you rolled on your Rekenrek.</p> <p>You can represent your number any ways you like on the Rekenrek.</p> <p>Try this a few times.</p> <p>What numbers did you roll and what colours of beads did you use to represent your number? What numbers did you roll that you could represent with beads that were all red? What numbers did you roll that you could use red and white beads to represent your number?</p>
<p>5 Counting by 2s</p>	<p>How many ways can you use your Rekenrek to count by 2s?</p> <p>What number can you count to using only the top rack of your Rekenrek? What number can you count to using both the top and bottom racks of your Rekenrek?</p>



Early Years Tasks	Wooden Pattern Blocks (25 pcs)
<p>1 Can you make this pattern using your pattern blocks?</p>	<p>What shape would come next in the pattern?</p> <p>Can you make the pattern longer?</p> 
<p>2 Make a butterfly with your pattern blocks</p>	<p>What shapes did you use?</p> 
<p>3 Make a caterpillar with your pattern blocks</p>	<p>How many pattern blocks did you use to make your caterpillar?</p>  <p>What shapes did you use to build the body?</p>
<p>4 Make a Hexagon</p>	<p>Can you make a hexagon using two shapes?</p> <p>Can you make a hexagon using three shapes?</p> <p>Can you make a hexagon using 4 shapes?</p> <p>Can you make a hexagon using 5 shapes?</p> <p>Can you make a hexagon using 6 shapes?</p>
<p>5 Make a beautiful piece of art with your pattern blocks</p>	<p>Can you count how many different shapes you used?</p> <p>How many hexagons did you use?</p> <p>How many triangles did you use?</p>

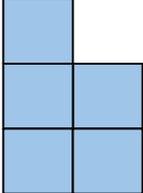


Early Years Tasks	Coins (35 pcs)
1 Going on a Number Hunt	Find a coin with the number 5 on it. What else do you see on this coin? Find a coin with the number 25 on it. What else do you see on this coin? Find the coin with a number 10 on it. What else do you see on this coin? Find the coin with a number one 1 on it. What else do you see on this coin?
2 Coin Rubbings	You will need a blank white piece of paper and a sharp pencil. Place a coin laying flat under the paper. Using the edge of the tip of your pencil lightly press down and shade in over the coin. Can you see the coin in your shading? If not try using slanting the pencil tip a little more and shade very lightly until you see the coin. It should appear as you shade with your pencil over the coin. Flip the coin over and try the other side. Repeat this with all of the coins. Can you see all of the images that are on the coins come through on your paper?
3 Coin in my Pocket	Play this game with a partner 1. Lay all of the coins out in a row 2. Ask your partner to turn around so they cannot see what you are doing 3. Choose one coin and put it in your pocket (or hide it so your partner can't see) 4. Ask your partner to guess which coin you are hiding. If they are stuck you can give them clues to use 5. Give your partner a turn to hide a coin and you guess which one they took Clues: It has a ___ on it. It is the smallest coin. It is the largest coin
4 Setting Up a Store	Find some items around the house that you are going to prepare to sell. Make a tag for each item representing one of the coins. You can use coin rubbings on paper if you don't want to draw them, or just write the number on the tag that you see on the coin Invite others in your house to buy items from your store using the coins. What was the most expensive item they bought from your store? What was the least expensive items they bought from your store?
5 Making Patterns	Make the following AB patterns  What coin would come next?  What coin would come next? Can you make an AAB pattern using quarters and dimes? How many quarters did you use in your pattern? How many dimes did you use in your pattern?



Early Years Tasks	Number Line (0-10,0-30) 2 pcs
<p>1 Number Match Up</p>	<p>You will need your colour tiles, one dice, and your number line to 10.</p> <ol style="list-style-type: none"> Roll your dice call out your number Use your tiles to mark one space for every dot on dice. <p>If you roll a 2 your number line would look like this</p> <ol style="list-style-type: none"> Roll the dice again and call out your number. Count out the same number of tiles and add them to the number line. If you roll a 3 you would add three more tiles to your number line. Keep rolling until you fill in all 10 spots on your number line with tiles. The number you end with will have to fill the number line exactly. If not you will have to roll again until your number matches the exact number of spaces left on the number line.
<p>2 Give and Take</p>	<p>You have 6 tiles and someone gives you 3 more. How many tiles do you have?</p> <p>Use your number line to show your thinking</p>
<p>3 Sharing</p>	<p>You have 10 tiles and you give your friend 4. How many do you have left?</p> <p>Use your number line to show your thinking</p>
<p>4 Tall Towers</p>	<p>You made a tall tower out of blocks and someone took one away.</p> <p>Your tower is now 4 blocks tall.</p> <p>How tall was your tower you started with?</p> <p>Use your number line to show your thinking</p>
<p>5 Number Line Barrier Game</p>	<p>This game can be played with a partner at home or online.</p> <ol style="list-style-type: none"> Choose a number on your number line. Describe your number without telling your partner what it is using the clues below. Your partner can guess your number or ask you a "yes" "no" question to help them solve it. Once your partner has guessed your answer correctly it is their turn to choose a secret number and give clues. <p>Clues:</p> <p>It is bigger than __. It is smaller than __. It comes before __. It comes after __.</p>



Early Years Tasks	Linking Cubes (25 pcs)
<p>1 House for a Mouse</p>	<p>Can you make a little structure out of your linking cubes that would be big enough for a mouse to live in?</p>  <p>How tall is your structure?</p> <p>How wide is your structure?</p>
<p>2 Measuring around the house</p>	<p>Find some objects around the house to measure using your linking cubes.</p> <p>How many cubes did you use to measure your object?</p> <p>What was the longest thing you measured?</p> <p>What was the shortest thing you measured?</p>
<p>3 View from The Side</p>	<p>Can you make a building that looks like this from the side?</p> 
<p>4 Growing Patterns</p>	<p>Make a growing number pattern using your linking cubes.</p> <p>How is your pattern growing?</p> <p>How many cubes did you use in your pattern?</p>
<p>5 Shrinking Patterns</p>	<p>Make a shrinking number pattern using your linking cubes.</p> <p>How is your pattern shrinking?</p> <p>How many cubes did you use in your pattern?</p>



Early Years Tasks	Geometric Solids (10 pcs per set) Assorted Colour- No Colour choice
<p>1 Stack It!</p>	<p>Build a tower with your 3D figures.</p> <p>What 3D figures did you use to build your tower?</p> <p>Look at the pile of 3D figures you didn't use.</p> <p>Why didn't you use these figures?</p>
<p>2 Tracing Shapes</p>	<p>Trace all of the faces of one of your 3D figures on a piece of paper.</p> <div data-bbox="477 680 685 856" style="text-align: center;"> </div> <p>What shapes did you make?</p>
<p>3 3D Sort</p>	<p>Can you sort them into two categories?</p> <p>Can you sort them into three categories?</p> <p>What are your sorting rules?</p>
<p>4 Shape Hunt</p>	<p>Choose 5 different 3D figures from your package</p> <p>Find one object for each 3D figure in your house or outside that has the same shape</p> <p>How do you know it is the same?</p>
<p>5 Cityscapes</p>	<p>Make a small city or town with your 3D figures.</p> <p>Find materials around your house to use as the roads to connect your buildings.</p> <p>Draw a map of your city/town</p> <p>Explain to someone how you might get from one building to another using your map or your 3D model.</p>



Early Years Tasks	Tangrams (7 pcs per set) Assorted Colour- No colour choice
<p>1 Make a Design</p>	<p>Use your tangrams to make a design. What does your design remind you of?</p> <p>Can you make a design that looks like an animal? A structure? A boat?</p>
<p>2 How Can You Sort?</p>	<p>How many different ways could you sort your tangrams pieces into two different categories?</p> <p>Is there a way to sort your shapes into three different categories?</p> <p>Explain your sorting rule.</p>
<p>3 Making Shapes</p>	<p>How many different shapes can you make using two pieces of your tangram set?</p> <div data-bbox="451 806 670 1024" data-label="Image"> </div> <p>How many different shapes can you make using three different pieces of your tangram set?</p> <p>Can you make any shapes using four different pieces from your tangram set?</p>
<p>4 Tangram Puzzle</p>	<p>Can you use all of your tangram pieces to make this puzzle?</p> <div data-bbox="451 1226 695 1465" data-label="Image"> </div>
<p>5 Animal Puzzle</p>	<p>Can you use all of your tangrams to make this puzzle?</p> <div data-bbox="461 1556 954 1822" data-label="Image"> </div>

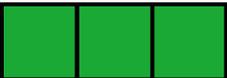


Early Years Tasks	10 Frame (1 Frame with 10 counters)
<p>1 How Many?</p>	<p>How many counters will you need to fill up half of your ten frame?</p> <p>How do you know?</p>
<p>2 Making Ten</p>	<p>Use your two colour counters to show all the different ways you can make ten.</p> <p>How many different ways did you find?</p> <p>How did you keep track of all of the different ways you found?</p>
<p>3 Ten Frame Pattern</p>	<p>Can you use your two colour counters to make a pattern in your ten frame?</p> <p>How would you describe your pattern?</p>
<p>4 More/Less/Same</p>	<p>Put 6 red counters and 4 yellow counters in your ten frame.</p> <p>How can you flip the counters so that both sides are the same?</p> <p>How many flips did you make?</p> <p>Try the same activity using 7 red counters and 3 yellow counters.</p> <p>How many flips did you make?</p>
<p>5 Birds in Tree</p>	<p>A tree full of birds.</p> <p>There are 6 birds that live on a tree. 3 more birds join them.</p> <p>How many birds are on the tree?</p> <p>Use your ten frame to help you solve the problem.</p>

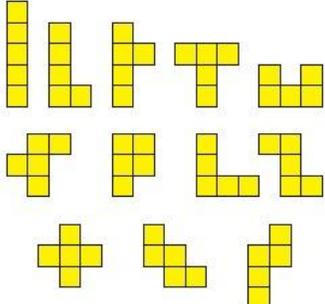
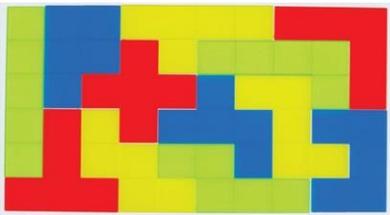


Early Years Tasks	100's Board
<p>1 What Do You Notice?</p> <p>What Do You Wonder?</p>	<p>Take a few minutes to look at your 100s board.</p> <p>What do you notice about the board?</p> <p>What do you wonder about the board?</p> <p>What numbers do you recognize?</p>
<p>2 How High Can You Count?</p>	<p>Mark your 100s board to show the highest number you can count to.</p> <p>Can you count backwards from the same number?</p>
<p>3 "Eye Spy"</p>	<p>Find a partner and play "Eye Spy" with your 100s board.</p> <p>"Eye Spy a number that has a 1 in it"</p> <p>"Eye Spy a number that has a 5 in it"</p>
<p>4 Numbers Everywhere</p>	<p>Using your coloured tiles</p> <ul style="list-style-type: none"> ● Cover up every box where you see a number 1 ● Cover up every box that you see a number 5 ● Cover up every box you see a 0 <p>What do you notice about all of the squares you covered up?</p>
<p>5 How Far Apart are Your Favourite Numbers?</p>	<p>Put a tile on two of your favourite numbers.</p> <p>You could choose:</p> <ul style="list-style-type: none"> ● Your age ● Your birthday ● Your house number ● Your favourite number <p>How far apart are your numbers? Count the spaces in between your numbers to find out.</p>

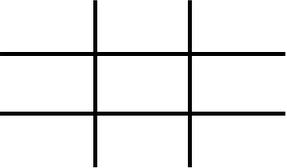


Early Years Tasks	Deci-rods (Relational Rods) 80 pcs
<p>1 Playing</p>	<p>Play with the rods.</p> <p>What do you notice about each rod?</p> <p>Can you pick out the shortest rod in the pile?</p> <p>Can you pick out the longest rod in your pile?</p>
<p>2 Building a Staircase</p>	<p>Can you use all of the rods to build a staircase?</p> <p>What do you notice? What do you wonder?</p>
<p>3 Numbers and Rods</p>	<p>If the dark green rod is one, what number would you give the other rods? Why?</p> <p> = 1</p>
<p>4 Squares</p>	<p>Can you make a square out of blue rods? How many blue rods did you use?</p> <p>Can you make a square out of the red rod? How many red rods did you use?</p> <p>Can you use any other rods to make a square?</p>
<p>5 Making Rod Trains</p>	<p>Choose one of the longer rods from your set.</p> <p>Using a combination of rods, can you make another train that is the same length?</p> <p>How many different trains can you make?</p> <p></p> <p></p> <p></p> <p></p>



Early Years Tasks	Pentomino (12 pieces per set) Assorted Colour- No colour choice
<p>1 Pentomino</p>	<p>Lay out all 12 of your pentomino</p>  <p>Do you recognize any of the shapes? What do you notice? How are they the same? How are they different? Do the pentomino remind you of anything?</p>
<p>2 Make a Puzzle</p>	<p>Choose three different pentomino pieces and connect them together.</p> <p>Trace the outline of your pentomino pieces on a piece of paper so it looks like a puzzle.</p> <p>Give the puzzle and the pieces to a partner to solve.</p>
<p>3 Make a Design</p>	<p>Use your pentomino to make a design.</p> <p>What does your design remind you of?</p> <p>Can you make a design that looks like an animal? A structure?</p>
<p>4 Two Pentomino Design</p>	<p>How many square tiles would you need to cover up one pentomino?</p> <p>Make a design using two pentomino.</p> <p>If you covered your design up with your square tiles how many would you need?</p> <p>How do you know?</p>
<p>5 Pentomino Puzzle</p>	<p>Can you use all of your pentomino pieces to make this puzzle?</p> 



Early Years Tasks	Dice (1-6 dots) x 2 pcs & Dice (Numbered 1-6) x 2 pcs
<p>1 How Many?</p>	<p>Playing with a partner, roll one dice in the middle of both partners.</p> <p>The first partner to call out the number rolled on the dice gets a point. Continue playing until one person reaches 5 points</p>
<p>2 Close to 10</p>	<p>Roll two dice.</p> <ul style="list-style-type: none"> ● Record your numbers on a piece of paper ● Add your numbers together. <ul style="list-style-type: none"> ○ If your number is under five you get one point. ○ If your number is over 5 you get two points <p>How many times did you roll before you got to 10 points?</p>
<p>3 Tic Tac Six</p>	<p>This is a two-player game. Draw a tic tac toe board.</p> <div style="text-align: center;">  </div> <p>Decide who will be "X" and who will be "O". The goal of the game is to get a row of three squares that each have a total of six dots. You can claim the spot with your X or O when you draw the 6th dot in the square.</p> <p>Rules:</p> <ol style="list-style-type: none"> 1. Player One rolls a dice and records the amount in one of the squares, using dots to represent the number (i.e., if Player One rolls a 4, they would draw four dots in one of the squares). 2. Player Two then rolls the dice. They can add their amount to any square with the goal of claiming it, or start a new square. <p>Variations:</p> <p>Alternatively, if you want to play Tic Tac 10, the game can be played with the goal of claiming squares when they have a total of ten dots instead of six.</p>
<p>4 Funny Faces</p>	<p>You will need to play with a partner. The goal of the game is to draw your face before your partner.</p> <p>Using one dice, both partners take turns rolling a number on the dice. That number you roll tells you how many parts you get to add to your face. You need to add:</p> <ul style="list-style-type: none"> - a face - two eyes, - one nose, - two ears, - one mouth, - two eye brows, - a neck <p>The first one to finish their face is the winner.</p>
<p>5 Roll a Picture</p>	<p>Roll both of your dice. Using the numbers on your dice draw a picture. It can be something you see outside, an image you make up, a design, an animal scene, or use your favourite TV show to inspire you.</p>