

Seasonal Numeracy Challenges!! – Weeks 5-8

February - March 2021

Please find below some numeracy activities to keep you busy in the weeks ahead 😊
Please make sure activities are supervised appropriately



Each activity has a choice of A, B or C.

The activities can get a bit more challenging as the weeks progress!

Choose an activity to start with and tick it ✓ when it is done.

If you can't do one every day, don't worry!












Here are some websites that you might also find useful:

- Free maths games for ages 3-14
topmarks.co.uk
- Carol Vorderman's maths programme for ages 4-12 – currently free to register
themathsfactor.com
- Variety of maths games and activities for ages 4-11
mathszone.co.uk
- US based resource partnered with companies e.g. Pixar and activities range from Primary to University level
<https://www.khanacademy.org/>
- Free maths and literacy games for ages 3-11
home.oxfordowl.co.uk/
- Variety of literacy and numeracy games and activities – currently free to register
classroomsecrets.co.uk
- Maths activities and games from the NRICH collection that are ideal for working on at home. NRICH Maths at home:
<https://nrich.maths.org/14600>
- Videos, quizzes and practice activities to help you with home learning.
<https://www.bbc.co.uk/bitesize/subjects/z6vg9j6>

Daily Numeracy Challenge

Choose activity A, B or C


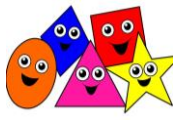







Keep it fun ! 😊

Week	Task	Monday	Tuesday	Wednesday	Thursday	Friday	Weekend
		 <p>Number Crunch</p>	 <p>Shape Up</p>	 <p>Pocket Money</p>	 <p>Measure It</p>	 <p>Build It</p>	 <p>Family Fun</p>
1	A	<p>Make a number line to stand and jump around on, using chalk (0-10). Ask them to walk along the line, stop and give the number 'just after' (stops on 5, so 'just after' 5 is 6).</p> 	<p>Using a hexagon framework, make a design using 2D shapes such as triangles and diamonds. Drag and drop shapes into the frame. Rotate to fit the shapes.</p> <p>Create Mosaics With Shapes Game Game Education.com.</p>	<p>Play 'fair or not fair!' I'll trade you a one pound coin and FIVE ten pence pieces for just ONE of your £2 coins! That's six coins for one! Can they work out if it's Fair, or Not fair! Repeat with different amounts.</p>	<p>Choose an activity. How many you can do in a minute:</p> <ol style="list-style-type: none"> 1. write your name. 2. roll a 6 on a dice. 3. write numbers, begin at 1. 4. draw smiley faces. <p>One person acts as the timekeeper – swap roles and repeat with a different activity.</p>	 <p>Use cardboard boxes, cereal boxes and bits of junk to make a Welsh dragon. Maybe make them a friend too!</p> 	<p>Yoghurt Art</p> <p>Did you know that in Japan, shallow bowls of yoghurt are used as a blank canvas for artists?</p> <p>Have a go at food art, using a bowl of yoghurt, icing pens, and a variety of fresh and dried fruits such as berries, banana chips and apricots.</p> <p>Use the icing pens to draw or write on the yoghurt, or create patterns using the fruit. See if you can copy a pattern or picture or come up with your own.</p>
	B	<p>Use a ruler or make a number line (0-20) and a pack of playing cards (Ace to 9). Put the cards face down. Pick a card and give the number 'just after', checking the answer on the ruler/number line. Each correct answer = a point. First to 3!</p>	<p>Show a picture which has been made of different shapes e.g. a boat, a house. What shapes can you see in the picture? How many triangles can you count? Can you make your own picture using the shapes?</p>	<p>Play the 'Toy Shop Money' game at Toy Shop Money Game (GBP) - Topmarks</p> <p>Different levels up to £2</p>	 <p>Which of these do you think you could do in less than 20 seconds?</p> <ul style="list-style-type: none"> • Build a Lego house. • Eat a biscuit(s) • Read a page of a book. • Say red lorry, yellow lorry three times. <p>Try them and see!</p>	<p>Why not make some Welsh cakes with an adult? You could try the recipe from this site and measure out the ingredients:</p> <p>St David's Day Activities :: Welsh cakes recipe - NurtureStore</p>	
	C	<p>Repeat the above activities for 'just after', this time asking what is the number 'just before'. You could play a dice game. Roll the dice and add up the dots. Then give the number 'just before'.</p>	<p>Explore which 2D shapes can be seen on the flat faces of 3D shapes. Which 3D shapes have a triangle? Can they match the 2D shapes to the 3D faces?</p>	<p>Using 10p, 20p, 50p, £1 coins – create a 'coin' caterpillar and work out its value</p> 	<p>Start a minute timer. Roll a die. Roll it again. Add the number to the first number rolled. Roll it again, add to the previous total. Keep going until the minute has finished. What total did you get to? Try again... Can you beat your score?!</p>	<p>Make a bunch of daffodils that will last all year. Go to: Bunch of Daffodils (activityvillage.co.uk)</p>	

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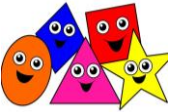











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2	A	<p>Doubles. Draw a ladybird. Roll a die and draw the number of dots on one side of the ladybird. Write the number underneath e.g. 5. Draw the same number of dots on the other side of the ladybird. Write the total (10). So double 5 is 10. Roll and repeat.</p> 	<p>Look at some empty packages and boxes. What shape are they? Can you find a cube, a cuboid or a cylinder?</p>	<p>Cold hard cash Put coins (1p - £2) in plastic containers (like take away food tubs) and add water! Put in the freezer and let them find the cash when it thaws. Can they guess how much is in there? Can they write the amount as it builds with each coin freed?</p>	<p>Practice telling the time, including hours and quarter hours Telling Time, Quarter to, Quarter Past - math game Turaco Games</p>	<p>Make your own TOP TRUMPS. Pick your favourite hobby and make a set of cards. Compare facts about a subject. Highest number fact in a category wins. Decide on the categories e.g. for animals; weight, length, height and scariness!</p>	<p>There's so much that you can do with footprints.</p> <p>Try gathering up a selection of shoes from around the house and look at what sort of footprint they would make. Stand in a shallow tray of water then walk along a path, comparing the different sizes and shapes of the footprints. Have a go at walking backwards, jumping or hopping and see how that changes them.</p>
	B	<p>On paper/card, draw circles like a target board. Choose numbers 1-15 and write them in the circle. Push or flick a counter or coin. What did you land on...what is that doubled (to get a point)?</p>	<p>Make a small collection of 3D objects such as a die or a glue stick. Hide the objects in a bag, put your hand in and describe the object to an adult to see if they can guess the shape.</p>	<p>Create money rubbings with paper and crayons. Rub 10p-£1 coins with crayons, have them match the rubbings to the coins and write down the amount. They could also write the value next to each coin.</p> 	<p>Learn how to tell the time and identify a quarter past and a quarter to. Click on the link Quarter past and quarter to - Maths - Catch Up Lessons - Home Learning with BBC Bitesize - BBC Bitesize</p>	<p>Design your own deck of cards. You could base the cards on animals or even your favourite heroes! Put the cards face down and take turns flipping over two cards on each turn. Find two matching cards, watching each other's moves!</p>	<p>You can also explore other types of footprint made by birds or animals. Try scattering bird seed in a patch of soft mud, and see if you collect any prints.</p>
	C	<p>Play the 'doubles games' at Hit the Button - Quick fire maths practice (topmarks.co.uk) Start with doubles to 10 or choose your level.</p>	<p>Provide a selection of items e.g. bottles, tubes and boxes. Choose an item to roll. Why did you choose that shape? Which shapes will roll and which don't? You could create a ramp to test which shapes roll or don't.</p>	<p>Using some containers or plastic cups, write an amount on it (between £1 and £3). Your child puts in as much as they want to make the amount and then have to count out any change!</p>	<p>Draw around a cup or circle (template). Cut it out, fold in half, then half again. Draw in a clock face 1-12. If the minute hand is pointing at 3, how many minutes past the hour? If pointing at 9, how many minutes until the next hour?</p>	<p>Tiddlywink Golf. Cut out shapes to make your golf holes. Use different colour paper for bunkers, water etc. Start on the tee and take it in turns to see who can get their tiddlywink on the hole.</p> 	

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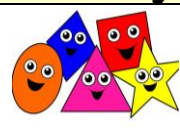

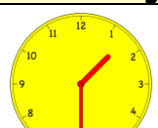






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3	A	<p>Estimate - Take a handful of a small snacks e.g. mini crackers. Put them on a plate and without counting, ask them to guess how many there are (0-20). Write down the number, then count to see the actual total.</p> 	<p>Show a collection of 3D shapes e.g. a ball, cereal box and cube shaped box). Choose one of the shapes. Ask them to tell you as many things as they can about the shape. Can they find another shape like this? Can they find a different shape? How is it different?</p>	<p>Play 'Coin Towers' Use a selection of coins up to 20p. On cards / paper, write amounts from 11p to 50p. Place cards face down. Turn over top card. Make the amount on the card and place coins on card (tower). One point for correct total. Bonus point if used smallest number of coins possible</p>	<p>Play the time game. Select the criteria - reading the time to 5 minute intervals, using a 12 hour clock and 'untimed'</p> <p>Telling the Time - Mathsframe</p>	 <p>Make a balance using a clothes hanger and Lego. Use the larger Lego blocks and see how much your shoe weighs! Compare to other items.</p>	 <p>Hide a treasure in the backyard and your child can use a map to find it.</p> <p>It's even better if they can hide something from you and draw the map themselves.</p>
	B	<p>Estimation jars.</p> <p>Use a clean tub or jar and add in items such as small blocks or figures (0-30). Can they guess the amount?</p> 	<p>Build a tower using shapes from 3A. Which shapes are the best for stacking? Which shapes work best on the top? Are there any shapes which are not good for building? Why?</p>	<p>Balloon tennis Play a game of balloon tennis with each player starting with £2. Choose how much the winner gets from their opponent for each point won (20p, 50p...) Who has the most in the end?</p>	<p>Hickory Dickory Clock: A tell the time game (ictgames.com) Practice telling the time to 5 mins. Choose the clock with the right time.</p>	<p>Play Blow Skiing Arrange obstacles (bits of playdough etc.) in pairs to form "gates" Blow the ball (cotton wool, paper) from one side of a table to another, passing through as many gates as possible! Can you time your run?</p>	
	C	<p>On paper / card, draw a shape or picture e.g. sweet machine.</p> <p>Using counters or blocks, how many will it take to fill the picture? Estimate first then count.</p> 	<p>Sorting 2D and 3D shapes Game shows that 2D shapes are flat, and 3D shapes are solid. Help Muggo sort common 2D and 3D shapes:</p> <p>2D and 3D Shapes Factory Game Game Education.com</p>	 <p>How much does it take to sink the ship? Try using coins worth different amounts. Can they work out the answer?</p>	<p>Make a paper plate clock with movable hands so they can practice reading the time in 5 minute intervals!</p> 	<p>Collect plastic bottles, add water (about one third full). Don't forget to screw on the lid! Paint your skittles, adding numbers to play a scoring game. Now line them up, knock them down and have fun!</p>	

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4	A	<p>x2 and x5 tables Practice counting up and down in 2s and 5s. Do this to the rhythm of a favourite song.</p>	<p>Find a range of 3D shapes at home. Put them into groups: Have 6 sides / doesn't have 6 sides. Has curved faces / doesn't have curved faces.</p>	 <p>Money Exchange Game.</p> <p>Have a selection of coins from 1p to £1. Roll the dice, count the dots and choose that number of coins to make as close to £2 as you can.</p>	<p>Match the analogue time to the digital time (hour, half hour). Click on the link: primarygames.com</p>	<p>Design your own perfect play area.</p>  <p>What equipment would you have? Where would you put the slide? Is there a pool?</p>	<p>Set up an 'at home' swap shop</p> <p>Find objects that you want to exchange and give them a value.</p>
	B	<p>Use Lego or blocks to build a staircase out of Lego, using multiples of 2. Create the first three stairs of the staircase, saying the multiples of 2 (e.g. 2, 4, 6). Continue building staircases, for each new stair, say which multiple of 2 they have 'built'.</p>	<p>Find objects shapes like a cube, cuboid, cone and a sphere into a bag. Describe a solid by feeling it and saying "this has a point, there's a circle at the bottom" etc. Guess the solid from these descriptions.</p>	<p>Play 'Restaurant' – let them "buy" the food they want to eat, using 'real' money. Create a menu together where items range from 10p to £5</p>	<p>Clocks in the house can use digital time, such as on a microwave or oven – With an adult, can you set a time in the digital clock then show the time on an analogue (face) clock. Use: Teaching Clock topmarks.co.uk</p>	 <p>Design your dream house. What would your living room look like? What furniture would you have? What colours?</p>	<p>If one person in the house wants to swap a doll for a value of £3, what could they afford to swap it for from another persons' shop?</p>
	C	<p>Use Lego / beads etc. Call out a multiple of 5 (e.g. 20) and make groups of five until they have the number (e.g. for 20, make four groups of 5). Count in 5s to the number and identify how many groups of 5 are needed to make that number. Repeat with other multiples of 5.</p>	<p>3D shape song The 3D shape song - KS1 Maths - BBC Bitesize What can you do to remember the 3D shapes?</p>	<p>Check you've been given the right change when you go shopping – this game makes it fun! The change game Students MoneySense mymoneysense.com</p>	<p>Practice matching analogue and digital times. Start with hours. Click on the link: helpfulgames.com</p>	<p>Can you build a bridge out of spaghetti? Will it hold a toy car or even your favourite cuddly toy?</p> 	<p>You could take a picture of the item in their 'shop' and add a price label.</p> <p>This can all be make-believe – no contracts need exchanging!</p>