


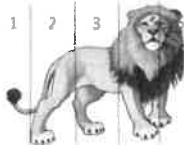


Select from the list below and complete one each day.
 Whilst completing each activity look for patterns and connections. Make sure you enjoy the activity and have fun doing maths with your parents.

	Activity	Parent Comment
1	<p>Look in your food cupboard and find objects you can count like pasta, cereal or if you are lucky, sweets.</p> <p>Take a dessertspoon of each (the numbers need to all be below 20 so adjust the spoon size if necessary).</p> <p>Ask the children questions such as, do you think there are more pieces of pasta and cereal? How do you know? Can you prove it? (they could match them up in pairs to check/prove it)</p> <p>Try comparing two more sets but this time ask which has got less. Out of all of the sets which has got the most?/ the least?</p> <p>How many have you got of each object?</p> <p>Can you write a label to show the number?</p>	

2	<p>Make repeating patterns with toys, food or natural objects found outside. Can you continue a pattern started by your parent or copy their pattern somewhere else? Can you create the same pattern with different objects?</p>  <p>You could even invent a code to represent your pattern.</p> 	
3	<p>Buy some skittles. Can you count how many there are of each colour?</p> <p>Adults make sure they touch and move each skittle as they count. Can they say how many there are now? Rearrange the same skittles so they just take up more space and ask how many there are again? Do they realise the number is still the same?</p> <p>Use 2 or 3 colours to make a continuous repeating pattern all around the edge of a plate. Now pour some warm water into the middle and watch the patterns swirl.</p> 	

4	<p>Can you make a model with just 2 colours of lego (or any other construction toy) that uses exactly 10 bricks? How many of each colour did you use? Can you think of a way to record this? E.g. child may draw 4 blobs of red and 6 blobs of yellow or you could write headings and they could record numbers 4 and 6.</p> <p>Can you swap one of your bricks for the other colour and record the new combination? Keep exploring this to see how many different ways you can make 10. You could do a similar activity with other numbers up to 10.</p>	
5	<p>Play dominos so that children practise quickly recognising numbers represented as dots. They could find the total of the 2 numbers that touch together each time by counting all the spots.</p>	
6	<p>Find four pictures that appeal to your child e.g. animals, aliens, dinosaurs and print them out. Cut each picture into 5 strips and label the strips from 1-5. Muddle them all up. Take turns to roll a dice with dots on and find the matching strip. Each person collects one picture. If you roll a 6 you miss a turn.</p>	

7	Play a board game that involves counting spaces along a track. Now create your own board game. You could include squares where people miss a turn, go back 2 spaces or have to answer a simple maths question to win coins.	
8	Create a bingo game to play with the family. Draw a grid with 6 spaces on and draw sets of 1-10 objects in each space. E.g. you could draw 4 unicorns, 2 magic wands, 7 sweets etc. but don't write the numbers. Make as many grids as there are players and make sure no two grids have exactly the same sets on. Now create a set of cards with numbers on. The caller chooses a card and reads the number. If you have a set with that many objects on your board, you can cover it up. Normal bingo rules apply. (There is at least as much maths in making the game as playing it)	
9	Have a cinema night. Make numbered tickets for the 'customers'. Cook popcorn. Count the pops as it cooks - this will soon become impossible. Scoop the popcorn into different small containers to see what the capacity of each is. Do any surprise you? Decide which one to use as your official scoop. Ask each customer how many scoops of popcorn they want and count the scoops into a bowl to serve.	

10	<p>Play in pairs. Secretly one person uses a set of 5 objects (e.g. dolls house furniture) and arranges them so the positions can be described using positional language like in front, behind, on top of, between, under etc.</p> <p>They take a photo of the arrangement on a phone or tablet to help them remember it then muddle it up.</p> <p>They then describe the arrangement to their partner using positional language. The other person tries to recreate it. When they have finished show them the photo so they can see if they are correct.</p>	
11	<p>Go on a shape hunt looking for squares, rectangles, circles and triangles. How many can you find of each shape? Which was the most common? Can you draw a rocket or a robot or a house using some of the shapes?</p>	
12	<p>Watch this story about Frog and Toad where toad makes a list of all the things he has to do that day https://www.youtube.com/watch?v=tqQiBsAuDZ8</p> <p>Make a list of all the things you are going to do tomorrow. Cross them off as you do them.</p>	

13 Make a spring scale like this one.



For instructions go to <https://nrich.maths.org/13361> Have fun weighing a few different items and seeing how far they make the elastic stretch. Which item was the heaviest? Which item was the lightest? Choose another item and this time predict whether it will be heavier or lighter than the others before you weigh it.

14 Play bunny ears with a partner. Use 2 hands to be bunny ears and show a number of fingers e.g. 5. Can your partner match how you have made 5? Can you find a different way to show the same number on your 'ears'? And another?

Now be hopping bunnies. You and your partner need roll a dice and jump that many times. Can you play this game for 5 minutes before you get too out of breath?

15	<p>Empty an egg box and write a number in the bottom of each section from 0-5. Put 2 'counters' in (these could be anything that won't fall apart like pieces of pasta or dried beans). Shake the egg box and read the 2 numbers the counters land on. Show the 2 numbers with the fingers on your 2 hands. Now tap them to count how many it makes when you add them altogether.</p>	
16	<p>Build boats from different materials e.g. paper, foil, card. Check that they float.</p> <p>Estimate which boat will hold the most wooden building blocks/marbles (whatever you have) before it sinks. Add the items to the boats, counting as you go and then record which boat was able to hold the most.</p>	
17	<p>Find a stick and decorate it with paint, glitter, curling ribbon, fimo, card shapes to create a magic wand. Can you find 5 things that are longer than your wand and 5 things that are shorter and draw them? Make sure you line up the ends carefully to check. Go back to your longest object. Using your magic wand, can you now measure how many magic wands long it is. How many magic wands tall are you?</p>	

18	<p>Play a beetle drive style game where you build an alien instead. Create a menu where each body part has a value. E.g. head=1, mouth=2, eye=3, tentacle=4, leg=5, body=6. Roll a dice and draw the body part that you roll. You need to roll a 6 to start. You should soon have some crazy aliens to colour in.</p>	
19	<p>Make a set of number cards 1-12. Place all of the cards randomly but face up. Ask your grown up to close their eyes and choose a card. Put that card down and try to continue the sequence by finding and placing the next three cards. If this is easy, try to do the same activity but putting down the next few cards counting backwards instead.</p>	
20	<p>Learn a new counting song or practise an old favourite.</p> <p>You can listen and watch some classics here https://www.bbc.co.uk/programmes/p065z8z4</p> <p>Maybe you could bake some currant buns and act out that song too!</p>	

Activities to Try at Home

Here are a selection of ideas and activities split into the different Areas of Learning that you can do to help your child work towards achieving their early learning goals.

Personal Social and Emotional Development

- Try playing some simple board or card games together or try working together to build a jigsaw puzzle.
- Encourage your child to talk about their friends and arrange opportunities to invite friends round for tea or meet up at a park for the children to play together.
- Encourage children to talk about their likes and dislikes in terms of activities they like and do not like to do. Encourage them to explain their thoughts and feelings.
- Encourage children to be independent but to ask for help when needed. Encourage them to talk to familiar adults and children about activities they would like to do.
- Discuss different feelings – try acting out different emotions for children to identify.
- Discuss plans and routines and encourage children to talk about their daily activities.

Communication and Language

- Initiate conversations with your child, ask questions and demonstrate how to be a good listener.
- Share rhymes, songs, books and stories. Talk about what is happening in the stories or rhymes. With a familiar rhyme or book, stop suddenly and ask your child to continue, or you could accidentally get the words 'wrong' and your child could correct you!
- When sharing stories together, talk about the story and the characters. Ask your child to explain events in stories.
- Model correct sentence structure and words – instead of over correcting your child, repeat words or sentences, e.g. if your child says "bued an apple" say "Yes, you bought an apple."
- When you have a holiday, a day out or a trip somewhere, work together to create a record of the event, such as a photo, collection of objects or a drawing, which you can talk about later.
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- Talk about your children's interests and encourage them to learn and use new vocabulary.

Physical Development

- As a family, try some different active activities! You could try; dancing, playing football, going for walks, riding a bike or going swimming.
- Encourage children to try using different types of materials and simple tools. Provide playdough or salt dough to knead and make model, as well as beads to thread onto laces. You could also provide tools, such as child-safe scissors, paintbrushes, crayons, and child-safe knives and forks.
- Encourage your child to get dressed/undressed independently and manage their own personal hygiene (such as washing their hands and brushing their teeth).
- Encourage your child to talk about healthy food choices. Go shopping with your child and talk about healthy foods and why a balanced diet is important.

Literacy

- Share pleasure in reading with your child. Share books together and join a local library. Encourage your child to look at a range of different books such as, stories, poems, information books and comics. Talk about favourite stories and characters.
- Practise identifying letter sounds (phonics). Look for letters you see when you visit different places and demonstrate reading the words.
- Make word and letter sound cards for sounds or words your child finds tricky. Try saying them in funny voices to help practising them more fun!
- Encourage your child to explore writing using different materials such as pencils, chalk, crayons and pens. They could try writing letters into a tray of sand or flour using a finger or try painting letters onto a pavement using a paintbrush and water.
- Demonstrate different purposes for writing such as writing a shopping list, writing a greetings card or a postcard when on holiday. Encourage children to try writing for different purposes too and praise them for their efforts.

Mathematics

- Look for numbers when you visit different places. Talk about house numbers, car number plates, prices of goods in the supermarket, etc. Challenge children to identify the numbers and say which number is one more or one less than the ones they see.
- Play dice games with your child such as snakes and ladders.
- Talk about simple addition and subtraction in practical ways. Use toys or other items to demonstrate addition by counting on and subtraction by counting back.
- Look for 2D and 3D shapes around the house or when out and about and ask your child to describe them. Encourage the use of correct terms such as 'sides' and 'corners'. Build models or pictures using empty packaging or paper shapes and talk about the shapes used.
- Compare size, weight and capacity. Get your child using words like 'longer', 'shorter', 'taller', 'heavier', 'lighter', 'full' and 'empty'. Talk about things you see in the world around you, or create opportunities for comparison, perhaps by rolling playdough snakes ('Can you make a longer/ shorter one?') or pouring water into different cups during bath time.

Understanding the World

- Talk about special events in your family, such as holidays, weddings, birthdays and celebrations. Maybe bring in a souvenir to show the class!
- Take a trip to a park and look at the plants, insects and animals.
- Explore different weather conditions and talk about seasonal changes in the world around you.
- Go on a technology treasure hunt at home! Talk to your child about how we make these things work and how to use them safely.
- Look at different types of technology when you're out and about. They could explore using a camera to take photos on days out too.

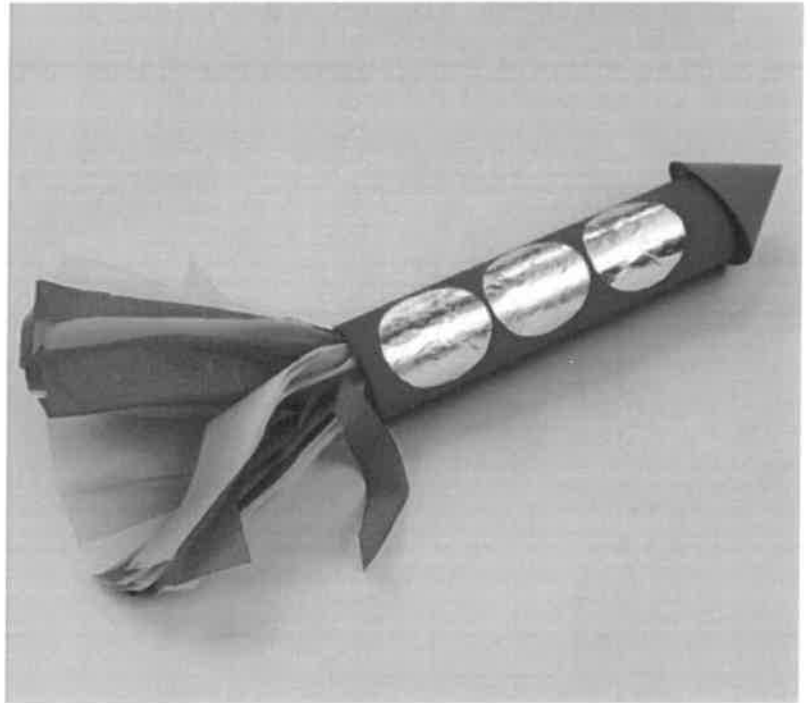
Expressive Arts and Design

- Try some different creative activities using a variety of different materials such as; making musical instrument models using empty packaging, collage activities to make pictures using wool or coloured paper and mix colours of paint to paint pictures.
- Encourage children to sing their favourite songs and listen to music.
- Try using some toys or make some puppets and create your own story!
- Try setting up a pretend shop, restaurant, hairdressers salon, workshop or classroom. Role play as customers and shopkeepers, etc. and create stories and scenes together.

Cardboard Tube Rocket

You will need:

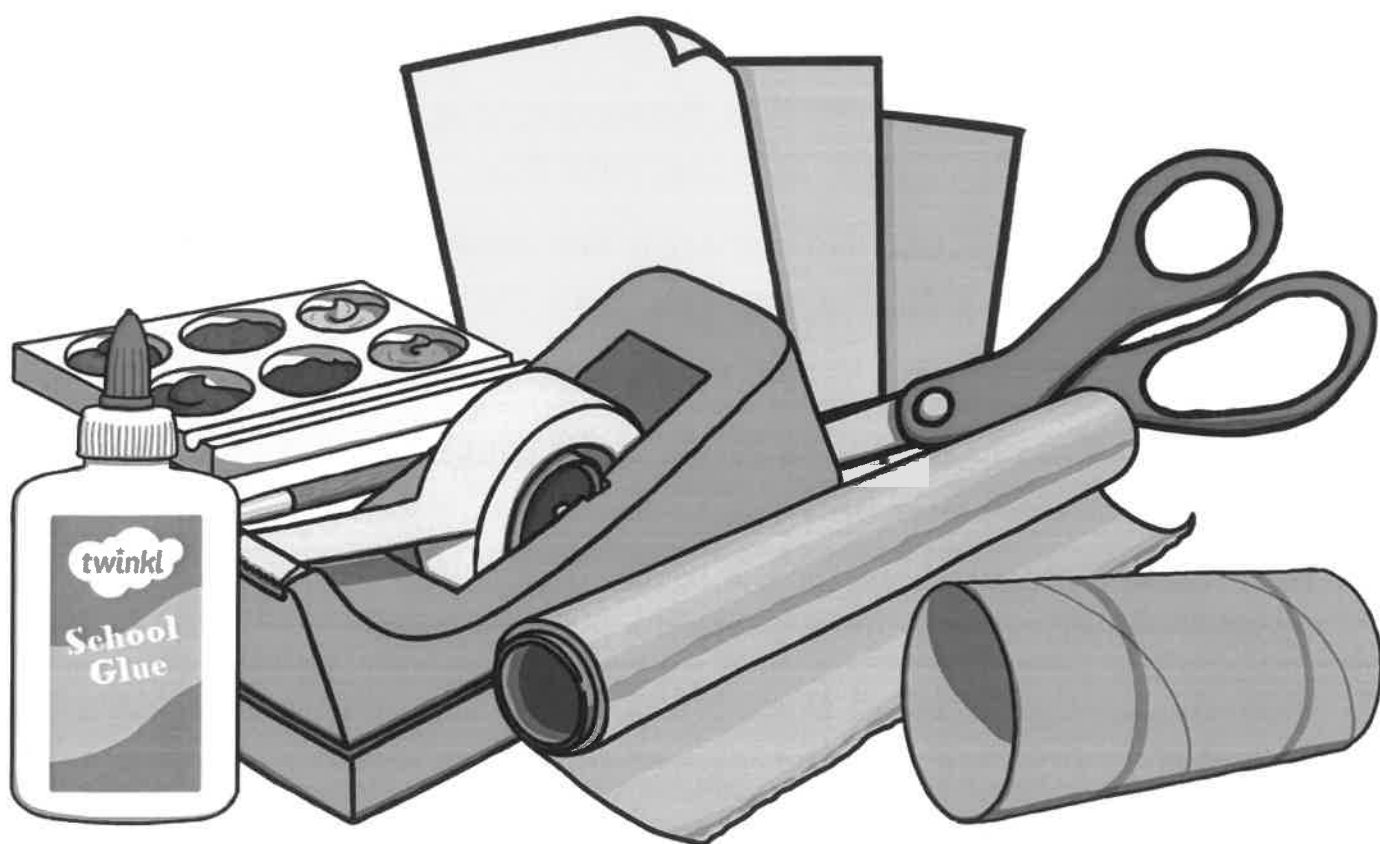
Long cardboard tube
Silver foil
Tissue paper
Brightly coloured card
Brightly coloured paint
PVA glue
Scissors
Sticky tape



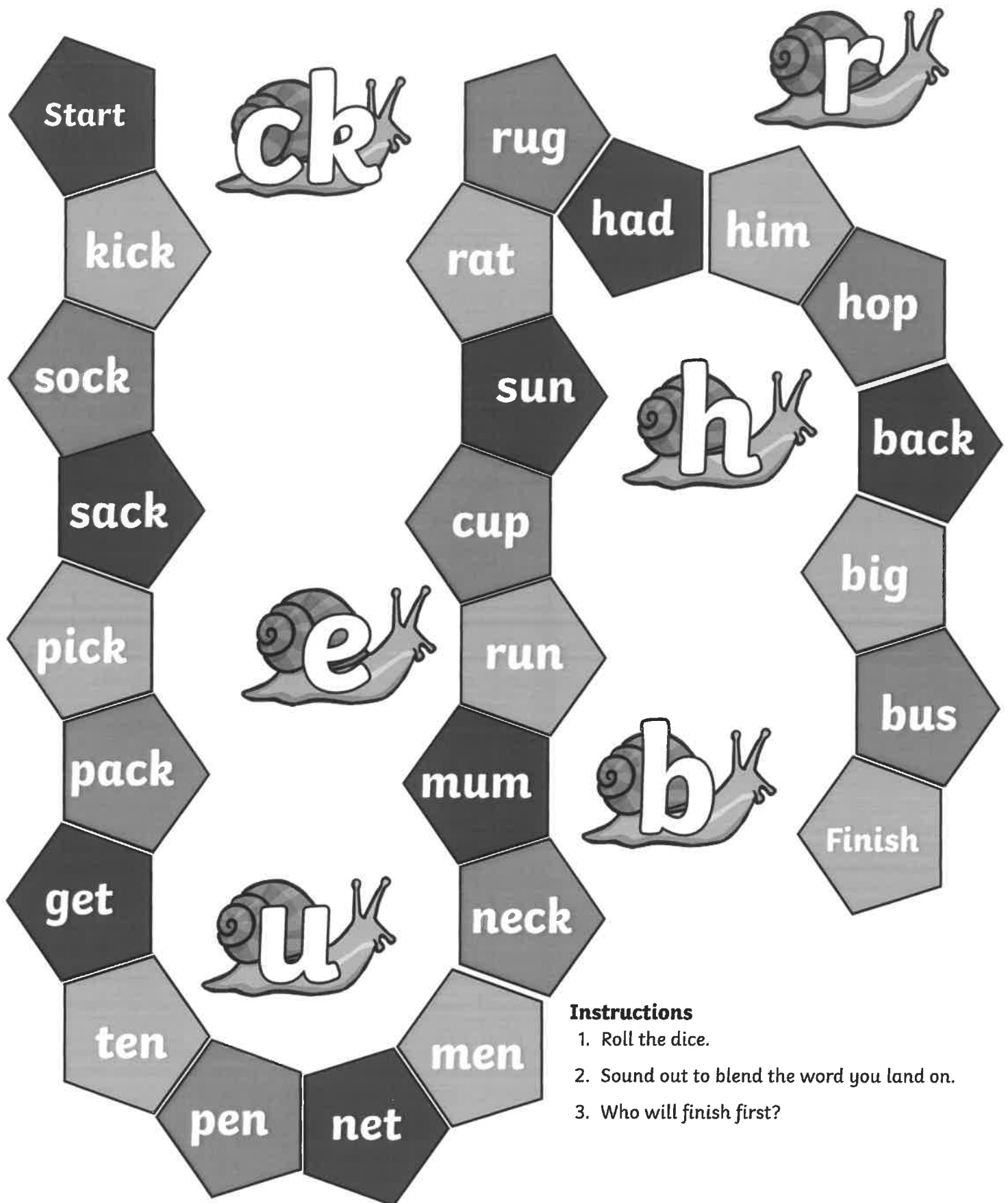
Instructions

1. First paint the cardboard tube in a bright colour, then leave to dry.
2. For the top of the rocket, choose a different coloured card. Then draw around a small circular object, such as a cup, onto this.
3. Cut out the circle. Then also cut out a line going from the outside to the centre of the circle, stopping once you reach the middle.
4. Roll the circle into a cone shape, then secure using sticky tape.
5. Stick two pieces of tape on the inside of the cone. Then stick the cone onto the top of the cardboard tube.
6. Now make some windows for the rocket using silver foil. To do this, draw around a small circular object onto the foil three times.
7. Next cut out the circles in silver foil and stick them onto the rocket using PVA glue.
8. For the flame, take some pieces of tissue paper and place them onto of each other in layers.

9. Pick up the layers of tissue paper and cut the strips vertically into them, ensuring the cuts do not go right to the top.
10. Finally, gather the sheets of tissue paper at the top, then secure and strengthen this by sticking tape around it.
11. Using sticky tape to attach the flame to the bottom of the rocket.



CK,E,U,R,H,B Read and Race

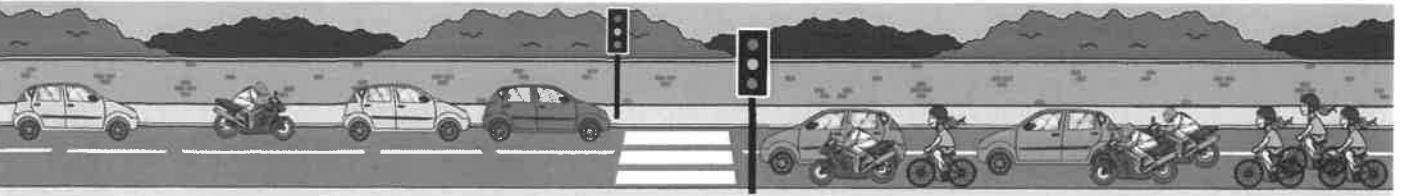
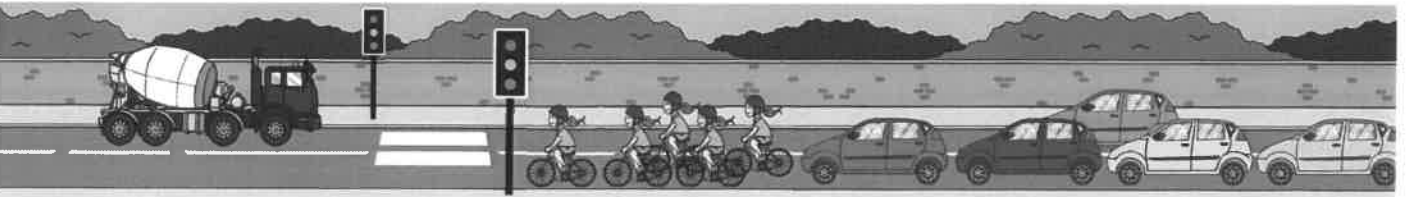
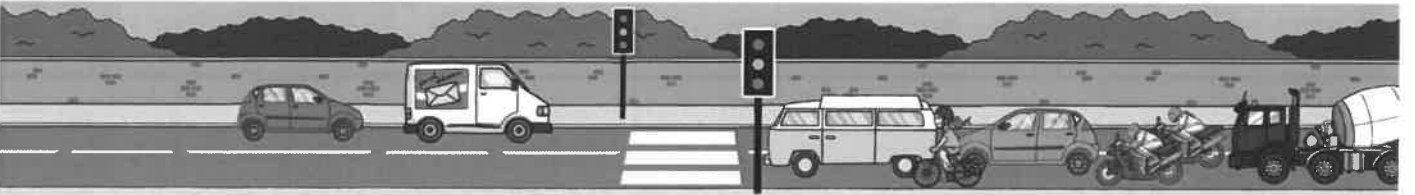
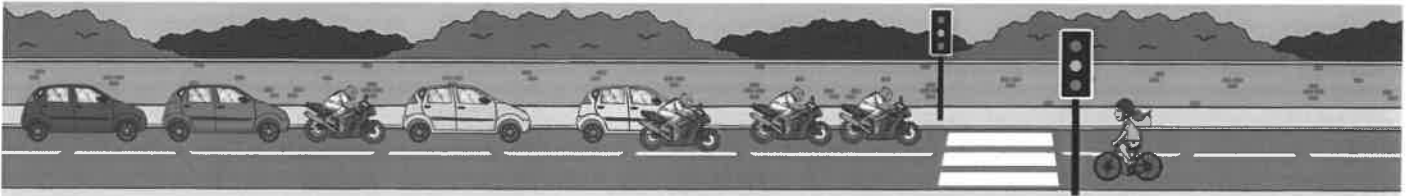
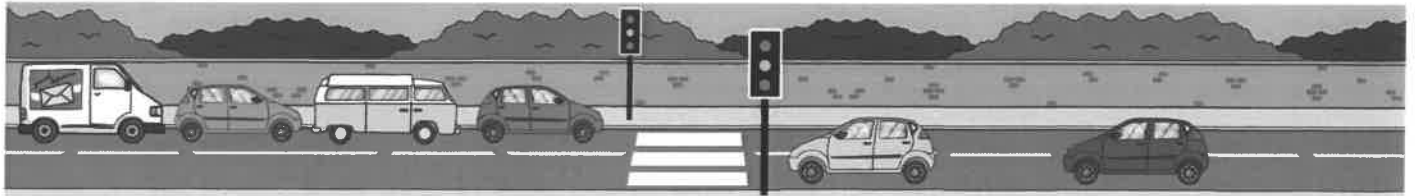


Instructions

1. Roll the dice.
2. Sound out to blend the word you land on.
3. Who will finish first?

Comparing Numbers to 10

Count how many vehicles are on each side of the road and then write your answers in the boxes. Circle which one has more.



Maths: Counting and Ordering Numbers to 20

Home Learning Challenges

Write out the numbers 0-20 on some paper or card, cut them up and then ask a grown-up to mix the numbers up – don't peek! Then, see how quickly you can put them into the correct order. You could ask someone to time you and then see if you can get faster when you try again.

Collect 20 leaves from your garden or a local park. Write the numbers 1-20, one on each leaf, using a thick marker pen. Use a hole punch to make a hole in either end of the leaves and then thread them onto a piece of string. Don't forget to put them in the correct order! You could then put up your homemade number line in your bedroom to help you remember the order of the numbers.

Next time you open a packet of raisins, some carrot sticks or apple pieces, count out how many you have. If you're eating them with a friend, count how many they have too. Can you write the numbers down?

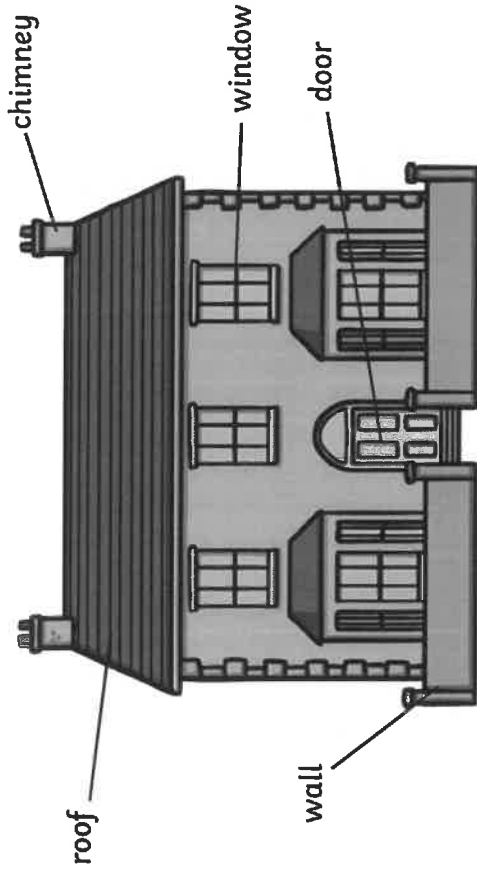
Ask an adult to hide the numbers to 20 around your room, house or garden. See if you can find all 20 and place them in order. You could ask someone to tell you a number to find. Can you remember what the number looks like and find it?

Draw circles on a piece of paper and put different coloured paints in shallow trays. Choose a number between 1 and 20. Dip your finger into paint and add that many petals to one of the circles, making a flower. Count the petals to check how many you have and write that number in the middle of the circle. Choose another number and do the same to another circle on your page. Fill up your page with colourful flowers, each with different amounts of petals.

Write the numbers 0-20 on plastic building bricks. Make a tower of 21 bricks, seeing if you can put the numbers in the correct order. Start with 0 at the bottom and 20 at the top and then try starting with 0 at the top and 20 at the bottom.

School Closure Challenge Cards

Can you draw your house? Can you label your picture?



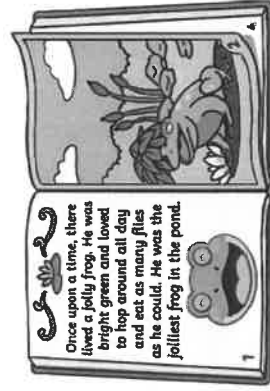
School Closure Challenge Cards

Write your name, using a different colour for each letter.



School Closure Challenge Cards

Choose a new book to read.
Stop reading in the middle of the story.
Can you guess what will happen at the end?
Were you right?



School Closure Challenge Cards

Look through a book. Can you find any words
with more than seven letters?
What is the longest word you can find?



Can you fill a grid with circles and crosses? What pattern can you make?

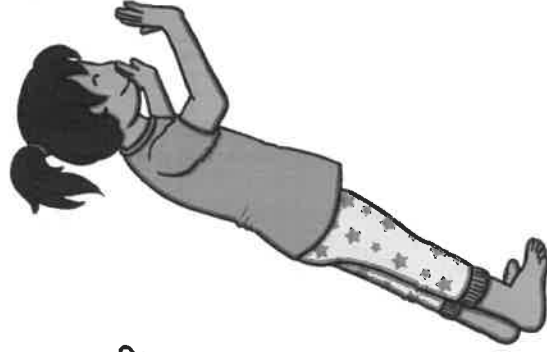
O	X	O	O	X	O
O	X	X	X	X	X
X	X	X	O	X	O

Can you fill a piece of paper with your fingerprints?



Wall Warm-Up

Find a wall. How many arm pushes can you do in a minute?



Animal Antics

Use your body to pretend to be different animals:

Snake: slither across the floor

Butterfly: flutter around the room

Elephant: stomp with both feet

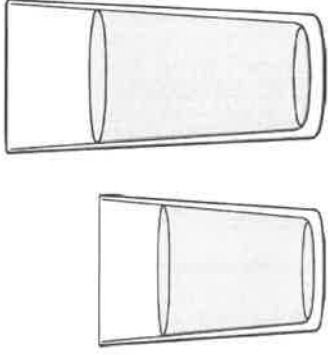
Kangaroo: bounce around

Frog: hop like a frog

Flamingo: stand still on one leg

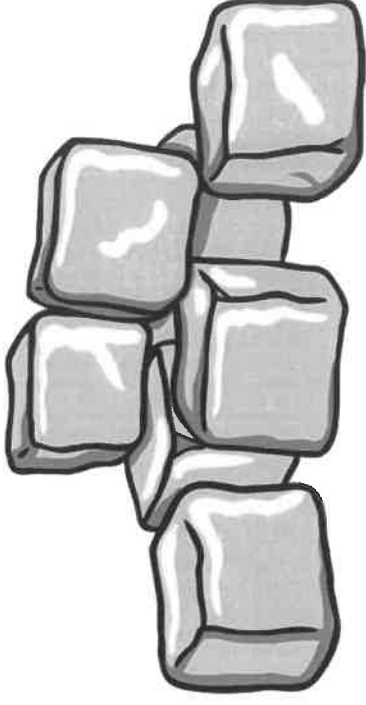
School Closure Challenge Cards

Can you fill a cup with water? Can you fill two cups? Do they hold the same amount of water?



School Closure Challenge Cards

Look at some ice carefully. What can you see inside? Can you find a way to melt the ice?



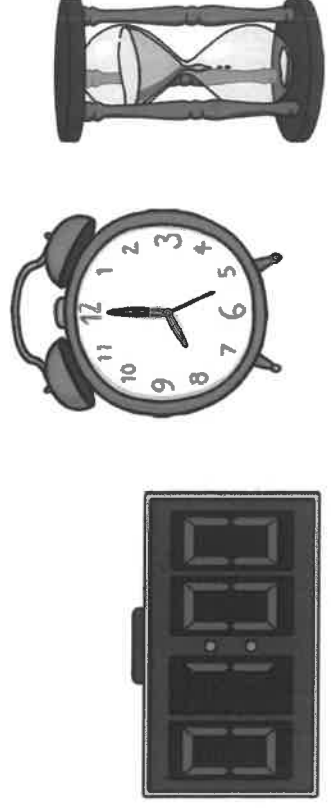
School Closure Challenge Cards

How many times can you sing a chosen nursery rhyme in one minute?



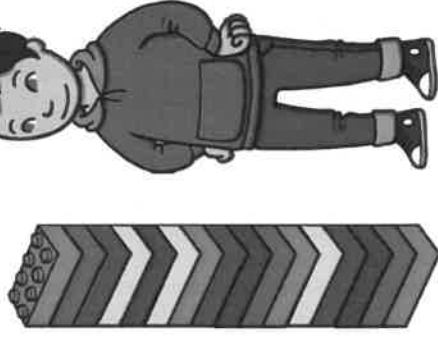
School Closure Challenge Cards

How many different ways can you time one minute?



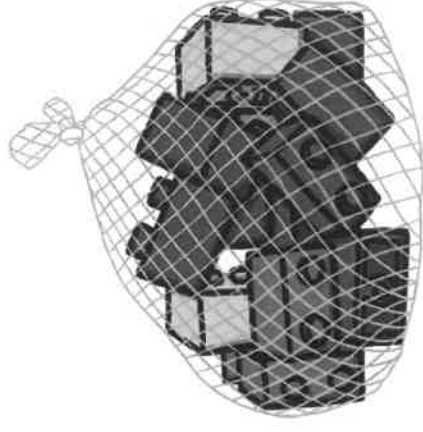
! School Closure Challenge Cards

Can you build a tower of blocks as tall as you? How can you make it balance?



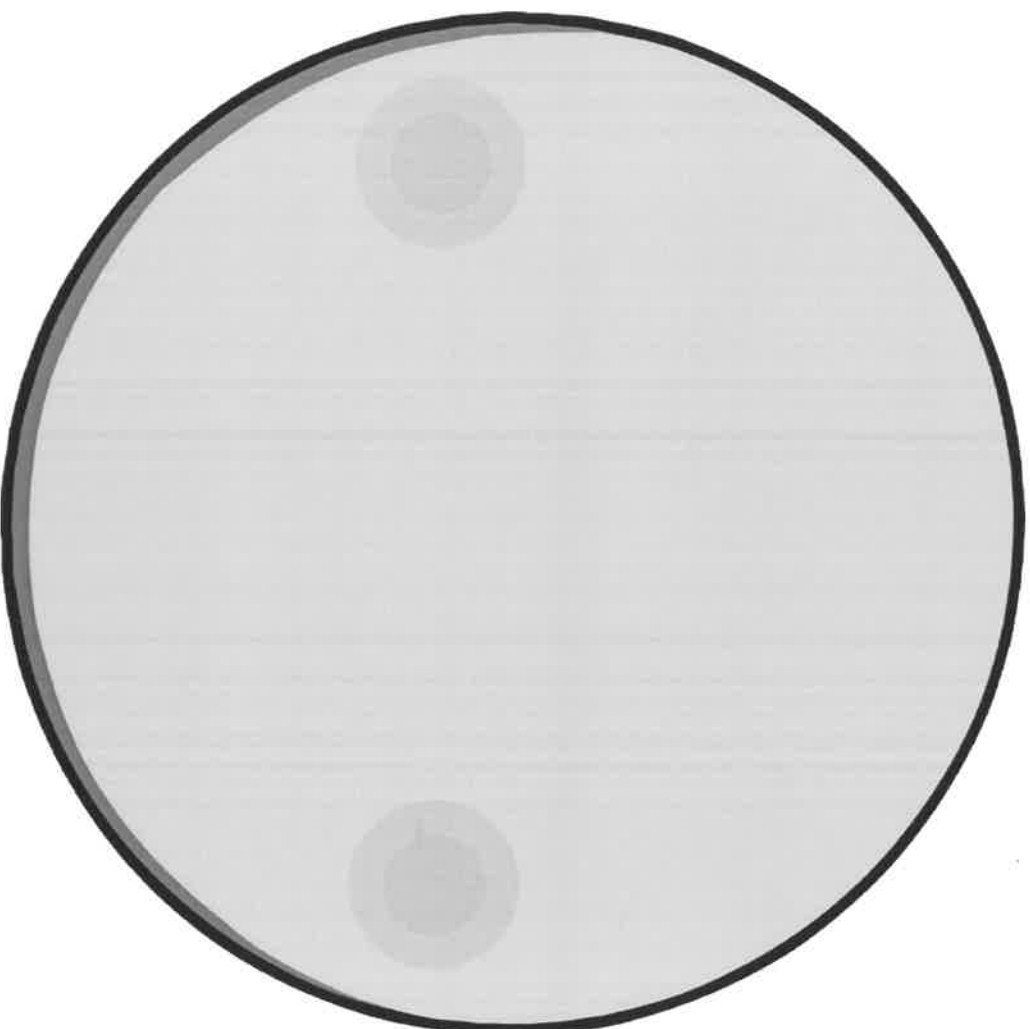
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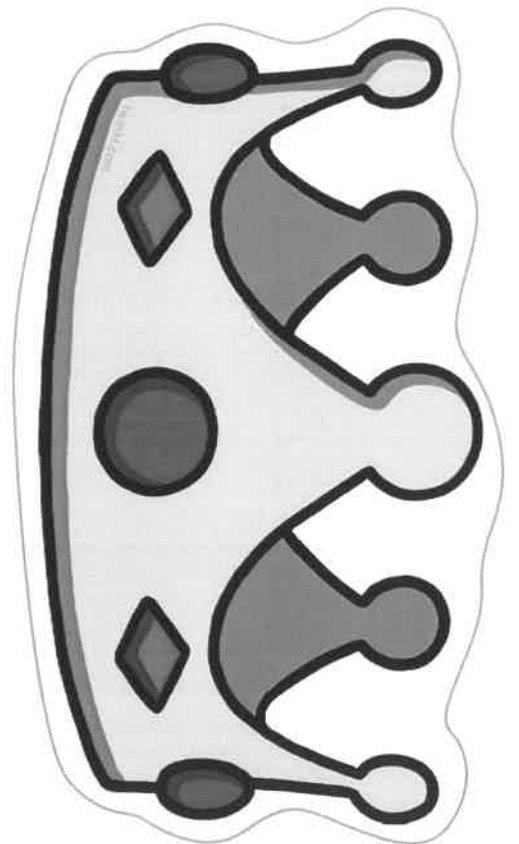
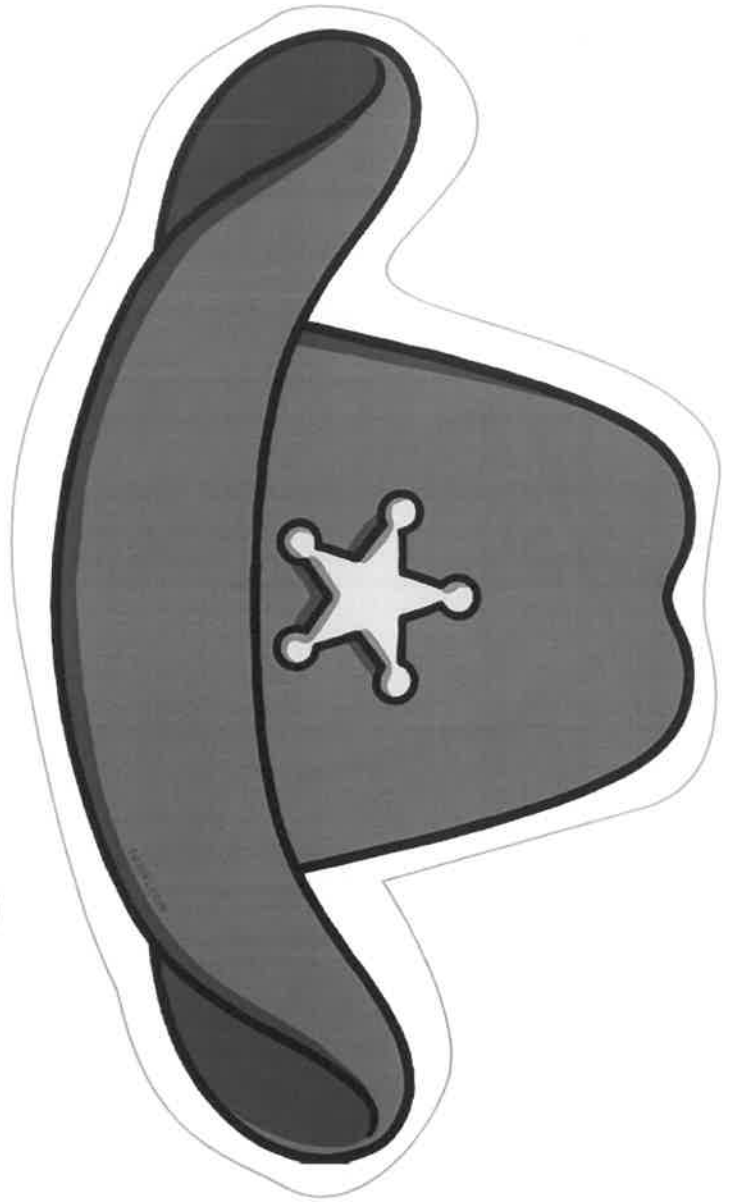
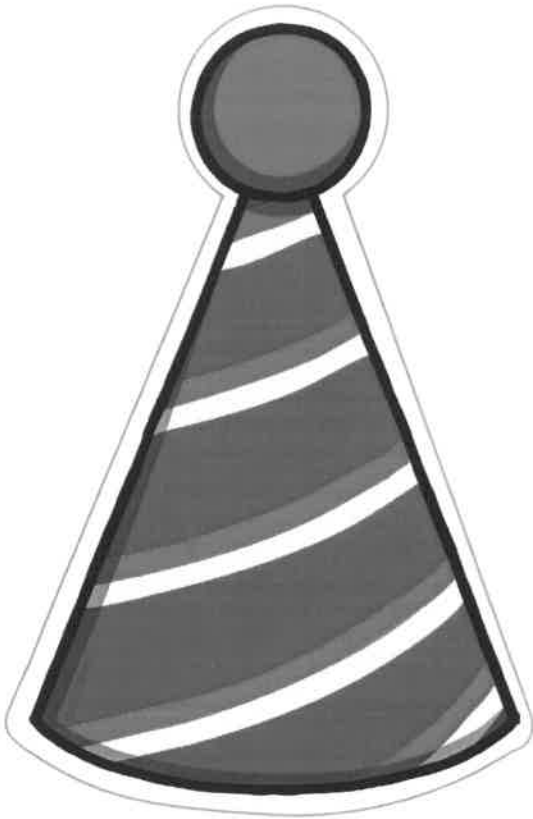
Choose 20 blocks and build a model. Can you use the same blocks to build a different model?

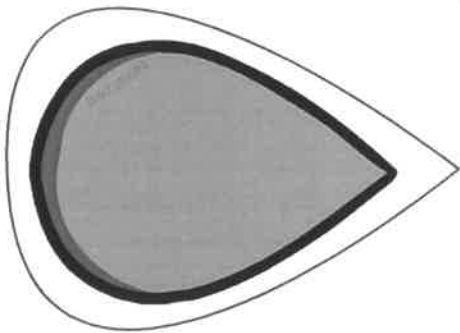
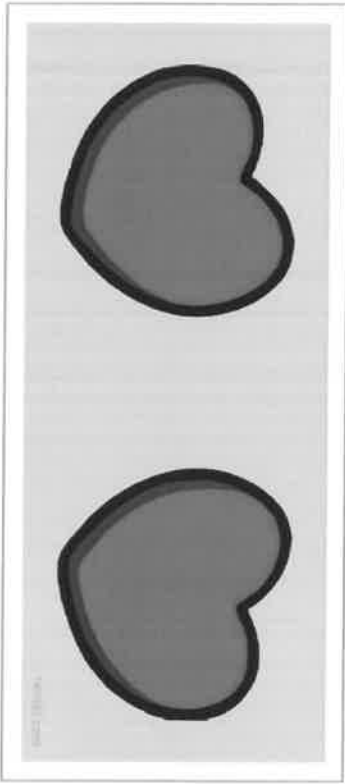
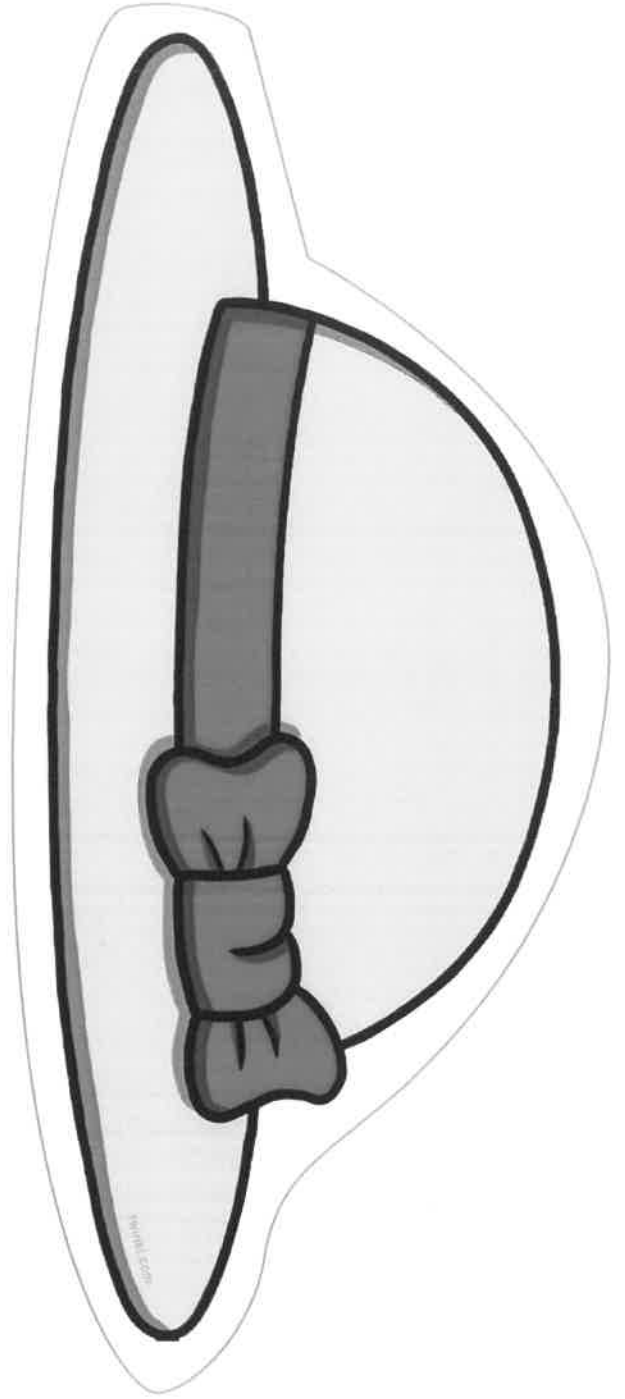
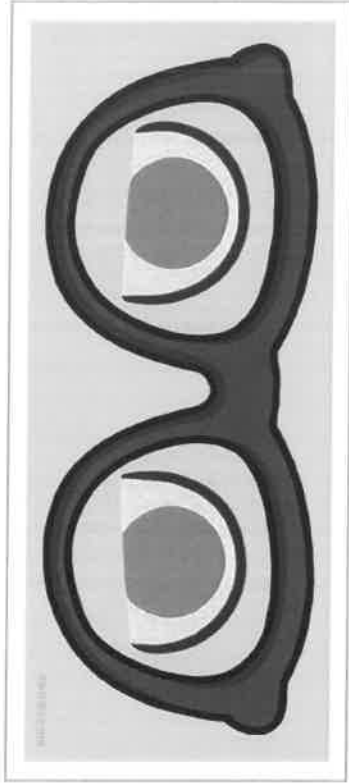
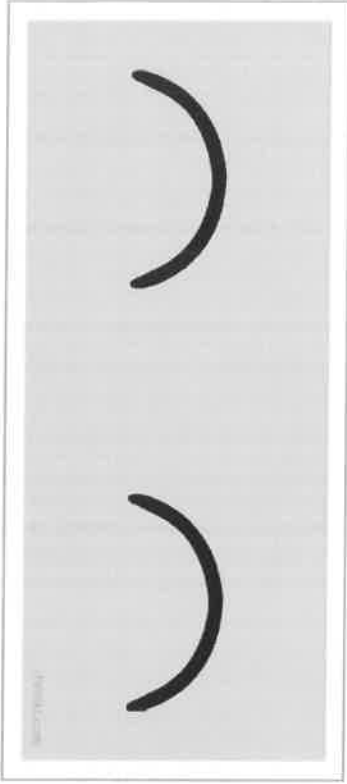


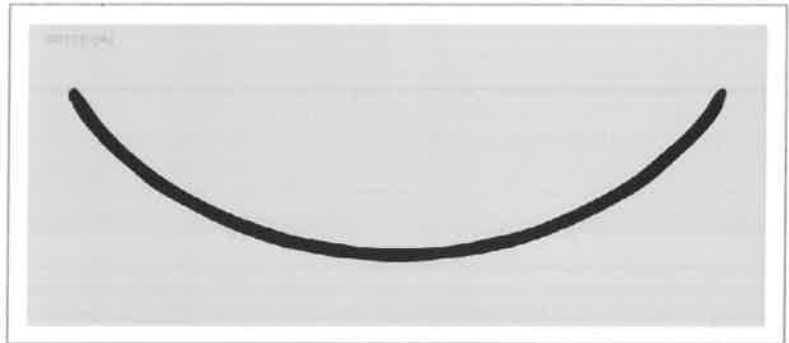
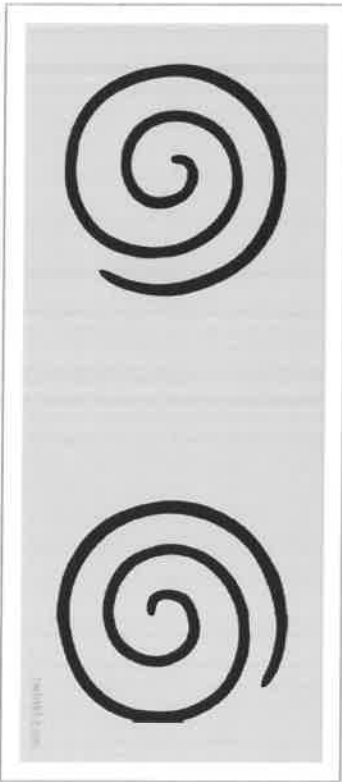
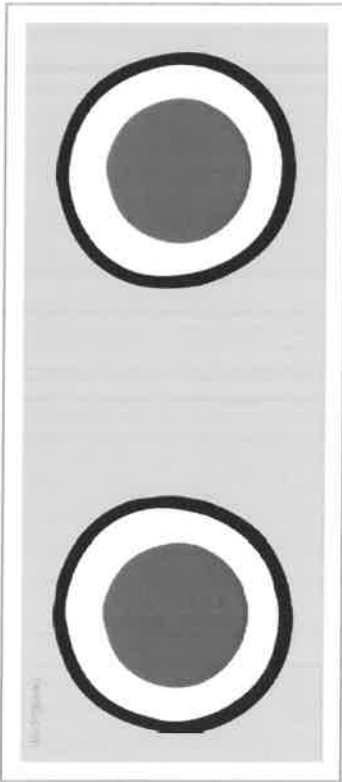
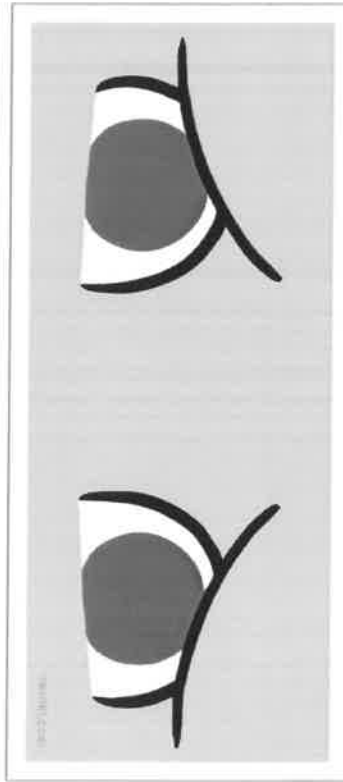
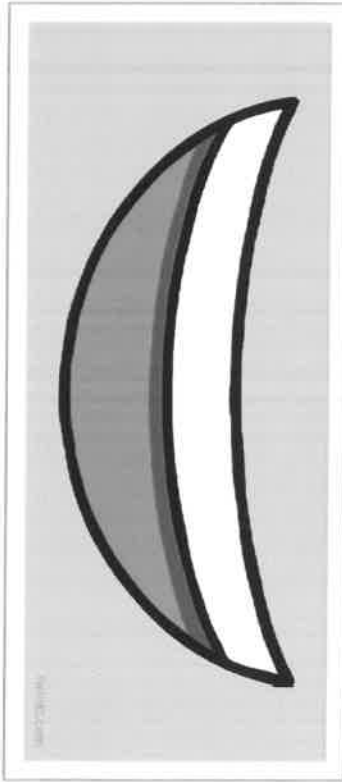
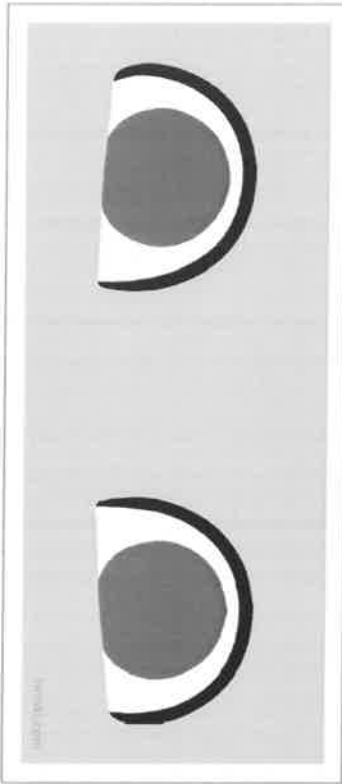
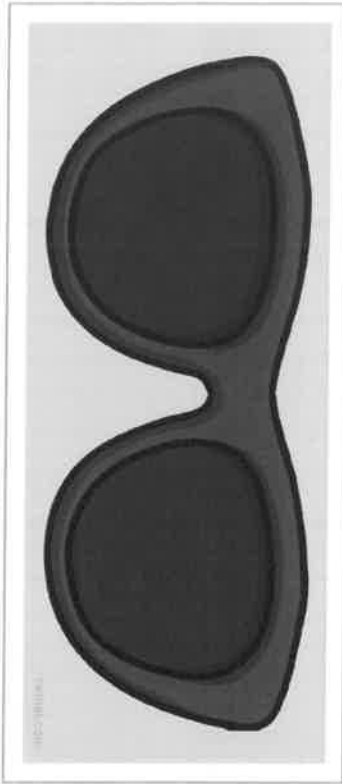
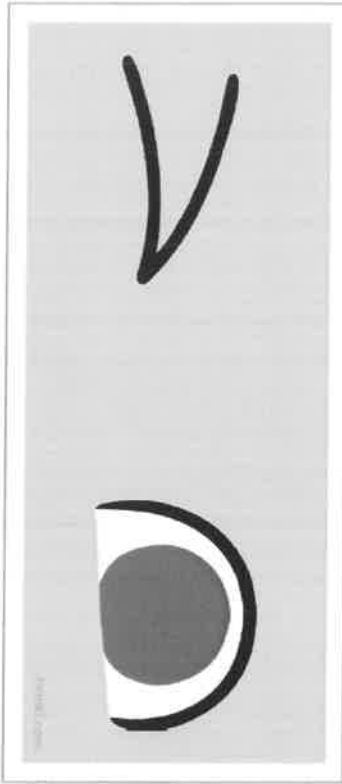
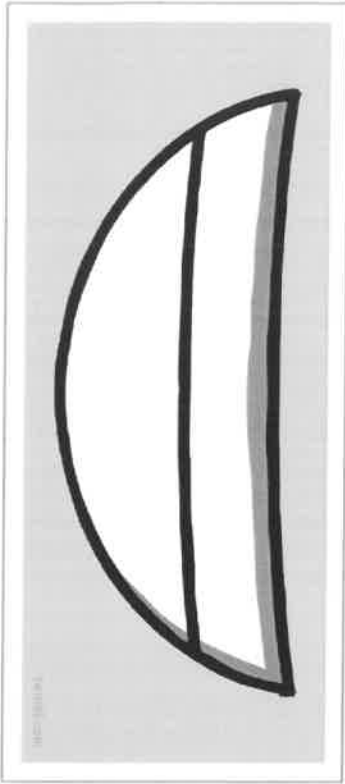
Make an Emoji Face

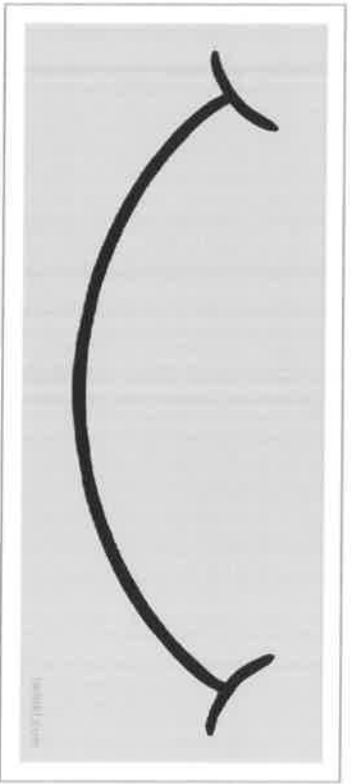
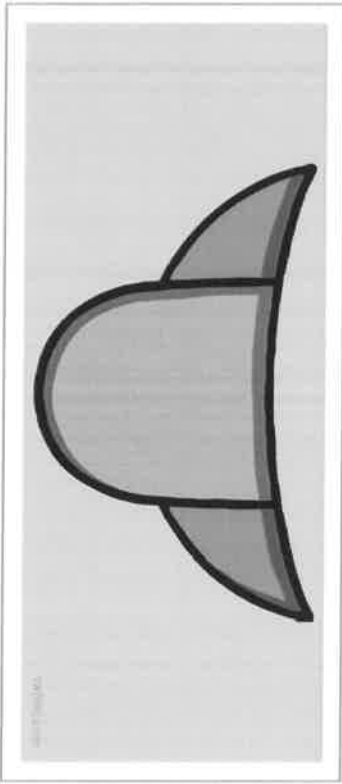
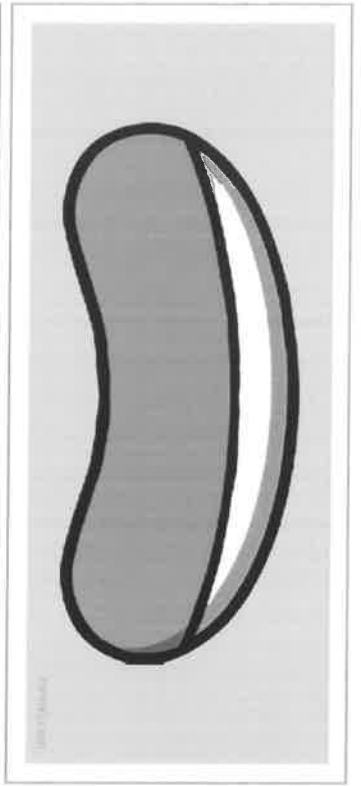
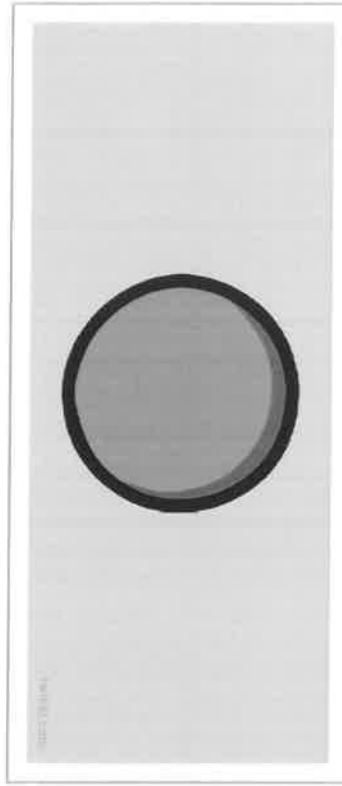
Cut out the pieces and stick them on to the face to make an emoji face! How do you think your emoji is feeling?







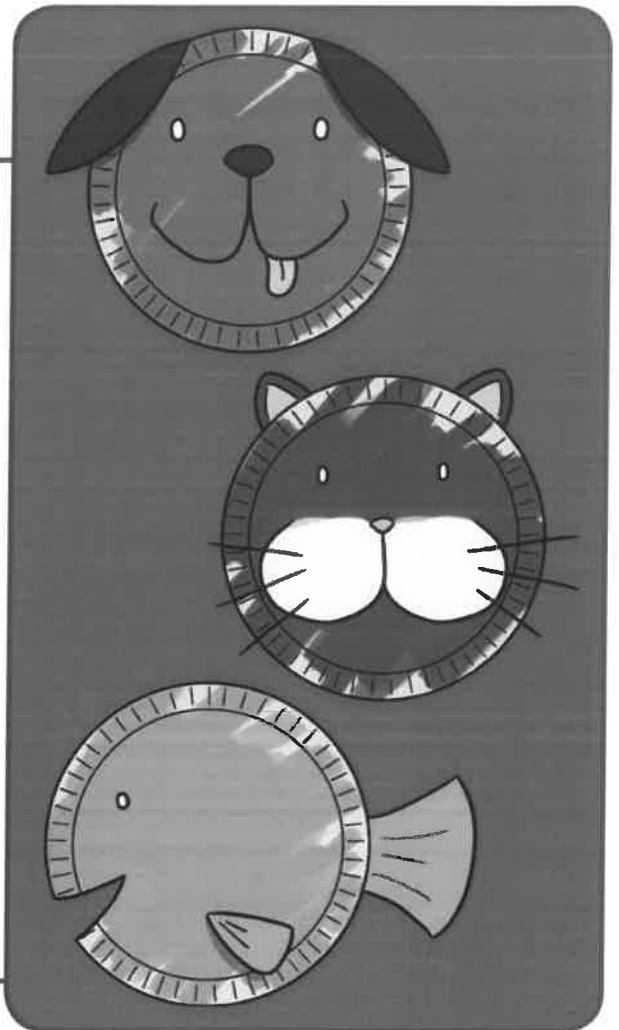




Paper Plate Pets

You will need:

- Paper plates (one per child)
- Paint
- Paintbrushes
- Different coloured sugar paper
- Scissors
- Glue sticks
- Glue spreaders
- Marker pens (optional)
- Decorative items, such as wool and googly eyes (optional)



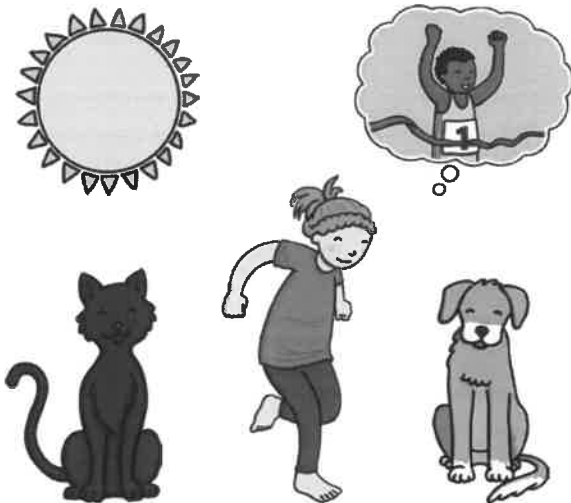
Instructions

1. Choose which pet you would like to make. The paper plate is going to be the animal's head (unless you choose a goldfish!). Think about what colour your pet needs to be.
2. Paint the paper plate completely in your chosen colour. Wait for it to dry.
3. Once the paint is dry, you can add the smaller details. Choose some sugar paper that is the same colour as your painted plate and cut out shapes for the ears and nose. Triangles, semicircles and ovals work really well! Use white glue to attach them. Hold them in place for a few seconds.
4. Use a small paintbrush (or marker pens) to add any more details, such as eyes. Alternatively, you could use googly eyes.
5. Leave the decorations to completely dry.
6. Display your paper plate pets for everyone to see!

Phase 2 Home Learning Challenges

Look at things around the room and say the sound they begin with. Can you hear the sound they end with too? Try writing some of them down.

Can you spell out any of the pictures? Tell your grown-up which sound it begins with and which sound it ends with. Do all the words have the same number of sounds?



Can you put the sounds on this page into the phoneme frames to make words?

Play a game with your grown-up. Take it in turns to give instructions. For example, 'Touch your f-ee-t' or 'Stand u-p'.

Can you look in a book and find any of these words? Which words did you spot the most?

the
to
I
go
no

Can you read the letters on this page and think of a word that begins with each one?

t	f
d	l
c	s
b	o

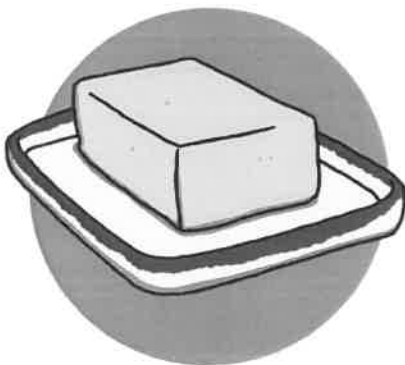
qu,ch,sh,th,ng Read and Race



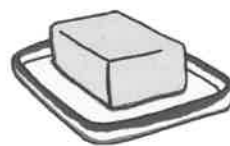
Instructions

1. Roll the dice.
2. Sound out to blend the word you land on.
3. Who will finish first?

Tablespoon Biscuit Recipe



1



2

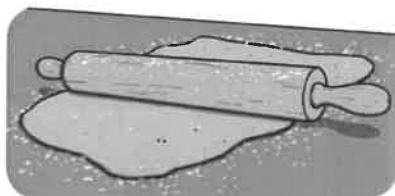


3



30 minutes

4



5



6



12 minutes

7



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