

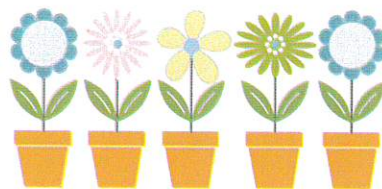
Year R

Home Learning

Pack

Gardening and

Minibeasts



For the weeks of May 4th
and 11th

Name: spider

Size: 0.015in to 3.5in

Species: 40 000

Food: insects, small animals like millipedes, wood lice, frogs

Fact: Some male spiders give dead flies as a present to females.



Photo courtesy of (william cho@flickr.com) - Granted under the creative commons licence- attribution

Name: ant

Size: 0.23in to 2in

Species: 12 000

Food: seeds, nectar, worms, spiders, small lizards, fruit

Fact: Ants are really strong! They can carry between 10 and 50 times their body weight.



Name: butterfly

Size: 0.5in to 12in (from wingtip to wingtip)

Species: 18 000

Food: drink nectar

Fact: Butterflies taste with their feet.



Photo courtesy of (jacinta lluch valero @flickr.com) - Granted under the creative commons licence- attribution

Name: bee

Size: 0.08in to 1.5in

Species: approximately 20 000

Food: honey

Fact: Bees are the only insects that make food that humans can eat.



Photo courtesy of (digicla@flickr.com) - Granted under the creative commons licence- attribution

Name: dragonfly

Size: 1in to 4in (length)

Species: more than 5 000

Food: flying insects like midges and mosquitoes

Fact: Dragonflies have been around for around 300 million years.



Photo courtesy of (Gilliamhorne's Olympus E3 and Evolt 500 Page @flickr.com) - Granted under the creative commons licence- attribution

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Name: ladybird

Size: 0.3in to 0.4in

Species: 46

Food: plants, greenfly, other insects

Fact: Ladybird bleed from their knees when they feel threatened.



Photo courtesy of (Gilles Gonthier@flickr.com) - Granted under the creative commons licence- attribution

Name: grasshopper

Size: 2in to 5in

Species: 11 000

Food: corn, wheat, barley, leaves, other plants

Fact: Grasshoppers' ears are on their bellies.



Photo courtesy of (William Cho @flickr.com) - Granted under the creative commons licence- attribution

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Name: wasp

Size: 0.0055in to 2in (length)

Species: 75 000

Food: other insects, fruit, nectar, dead insects

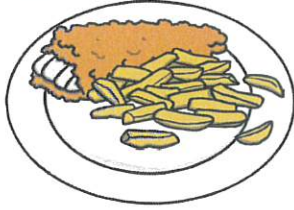
Fact: Wasps live everywhere around the world, except for Antarctica.



Photo courtesy of (digicla@flickr.com) - Granted under the creative commons licence- attribution

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Phase 3 Pictures and Captions Matching Worksheet



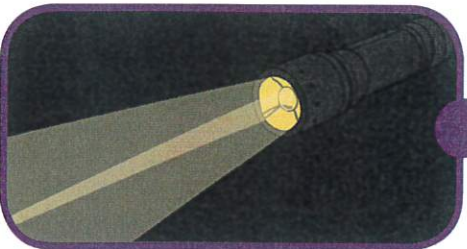
Fish and chips
on a dish.



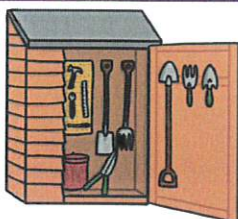
The light of a torch.



Tools in the shed.

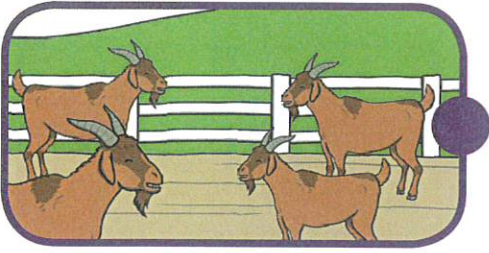


Looking at books.

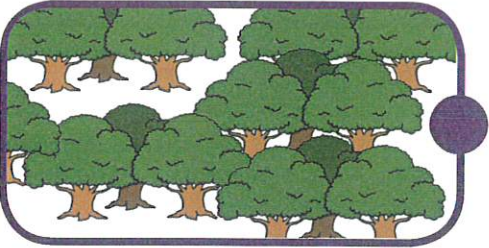


Digging in the soil.

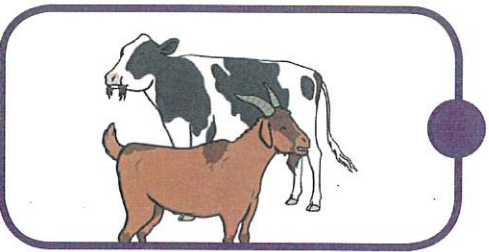
Phase 3 Pictures and Captions Matching Worksheet



Bow down to the king
and queen.



A goat and a cow.



Ships in the port.



Goats in
the farmyard.



Sixteen trees.

Phase 3 Pictures and Captions Matching Worksheet



Jim has seven
silver coins



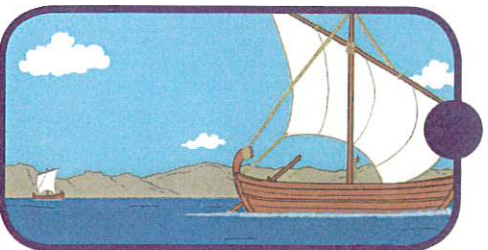
Boats on the river.



Clare and Sarah got
wet in the rain.

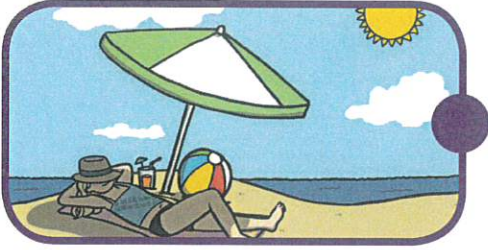


Jill has fair hair but
Jack has dark hair.



I can hear an owl
hoot at night.

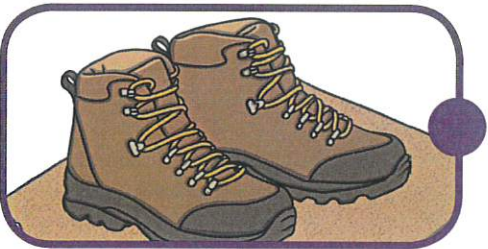
Phase 3 Pictures and Captions Matching Worksheet



I can see a pair of boots on the mat.



It has been hot this year.



The farmer gets up at six in the morning.

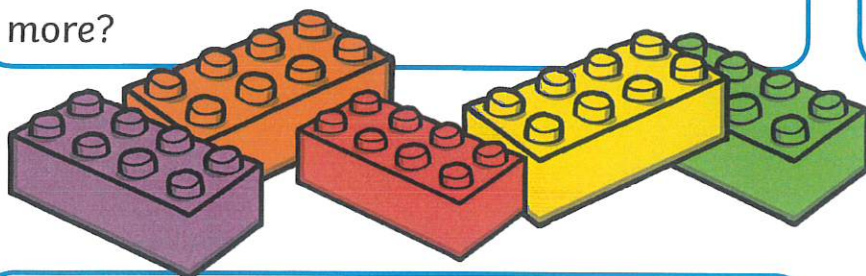


Lee had a chat with his dad.

Using Quantities and Objects They Subtract Two Single-Digit Numbers and Count Back to Find the Answer

Home Learning Challenges

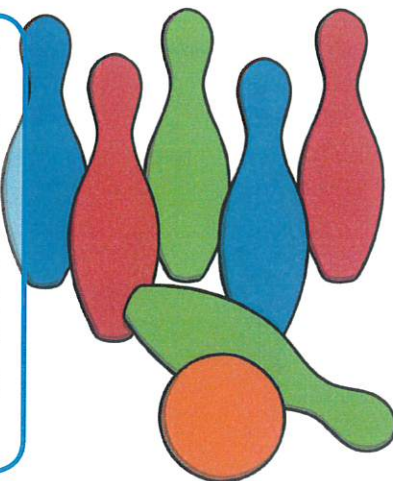
Find some building bricks or blocks in two different colours. Make a tower using one colour, while your partner makes a tower in the other colour. Are your towers the same? Which tower used fewer bricks? Which has more?



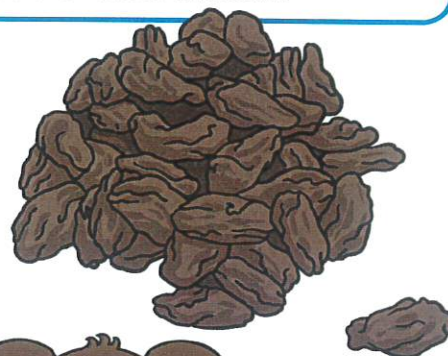
Line up 8 toy cars in a car park. If 3 toy cars drive away, how many will be left? Count back from 8 as you take away 3.

With a partner, draw a large 0 - 10 number line on the ground in chalk. Stand on number 10. Ask your partner to say a number between 1 - 10. Count back that number by jumping along the number line.

Set up some skittles or empty plastic bottles. How many skittles do you have? Roll a ball and count how many you have knocked down. How many do you have left?



Place 10 raisins or small treats on a plate. If you eat 5, how many will you have left? How do you know? Can you eat 5 and check?

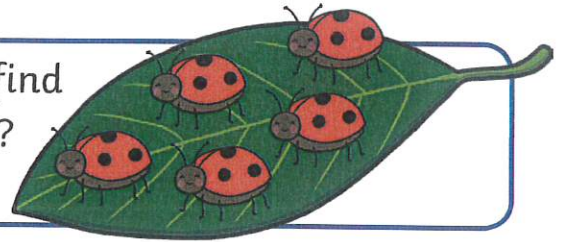


Set up a small shop using toys or food. Give each item a price label with a price of up to 10p. Now, imagine that you are having a sale. Can each price go down by 2p?

Addition: Adding Objects and Counting On

Home Learning Challenges

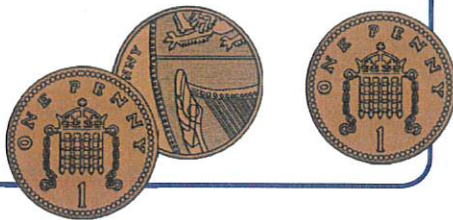
There are 5 ladybirds on the leaf. Can you find some more ladybirds hidden around the page? How many are there altogether?



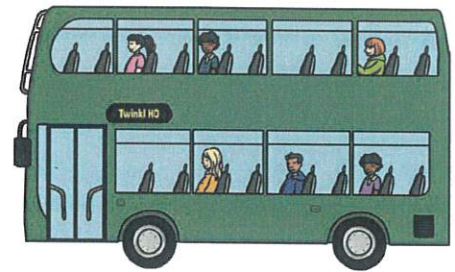
In a football match, Anna's team have scored 3 goals. Then, Anna scores 1 more goal! How many goals have they scored altogether?



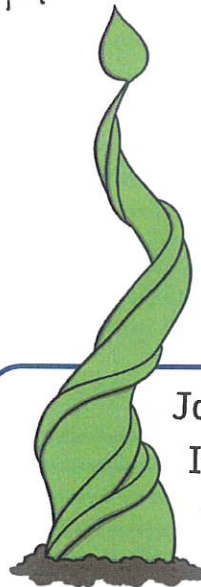
Azmeer has 5 1p coins in his money box. His grandad gives him 4 more 1p coins. How many does Azmeer have altogether? Ask a grown-up to help you find some 1p coins to check your answer.



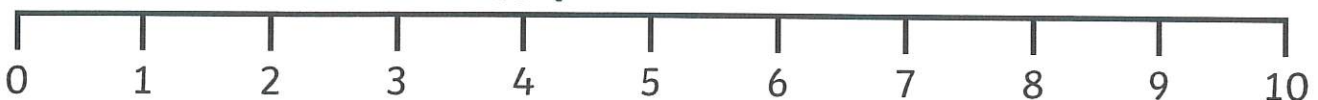
There are 6 people on a bus. Then, 2 more people get on. How many people are on the bus altogether? Try drawing a picture to help you work out the answer.



Jack's beanstalk is 8cm tall. It grows 2cm taller. How tall is Jack's beanstalk?



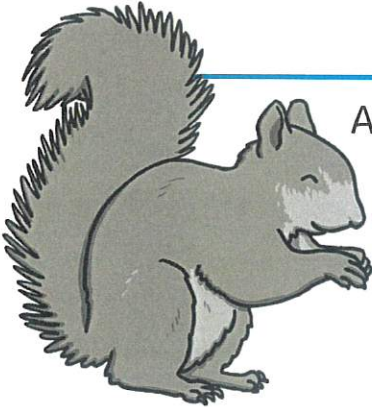
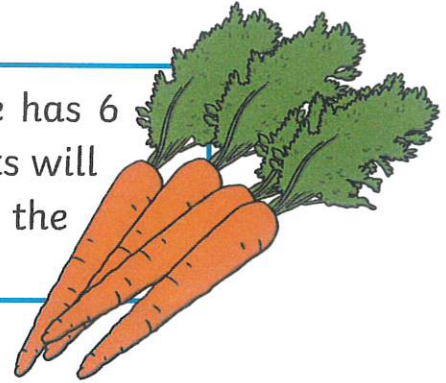
Freddie Frog is sitting on the number line. If he jumps on two more jumps, which number would he land on?



Solving Problems - Sharing

Home Learning Challenges

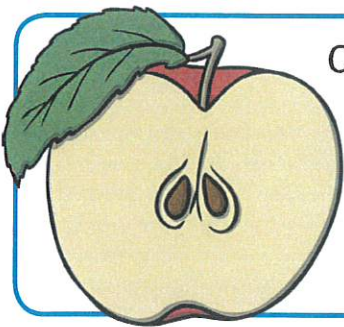
Abed has 3 rabbits who love eating carrots. He has 6 carrots to share between them. How many carrots will each rabbit have? Draw 3 rabbits and share out the 6 carrots to check.



A squirrel collects 10 nuts to share between her 5 babies. How many nuts will each baby have? Draw the nuts to check.

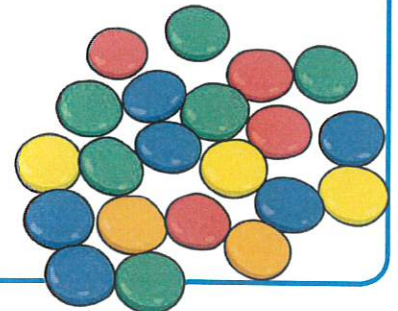


Share out 15 biscuits between your favourite 5 toys. How many biscuits does each toy have? Is it fair?



Cut up an apple into 8 slices. If you shared it equally between yourself and a friend, how many pieces would you have each?

If a packet has 20 sweets in and you share them equally between you and 3 friends, how many will you get each? Draw 20 sweets on a sheet of paper, equally sharing them into the 4 corners of the paper. Count how many are in each corner.



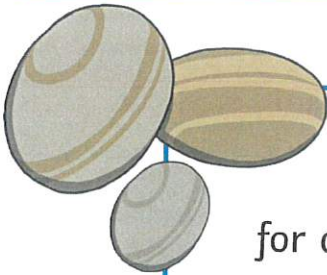
Make a cake for some friends and share it out. If you cut it into 12 pieces and there are 4 people, how many slices could each person have?



Solving Problems - Halving

Home Learning Challenges

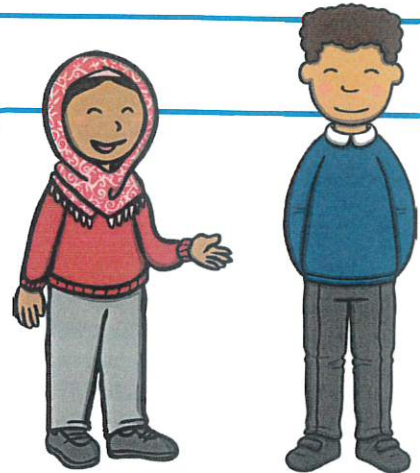
April made 6 cupcakes and ate half of them. How many did she eat? How many did she have left? Can you draw a picture of the cupcakes April had left?



Count out 10 sticks or stones. Put half into the soil for animals to hide under and put half in a wooden box for an insect home. How many do you have in the box? How many in the soil?

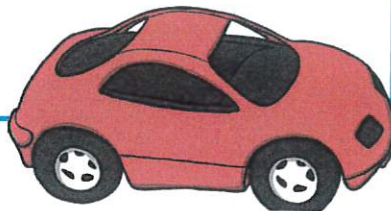


Draw 8 bottles of paint on a classroom shelf. Colour half the paint bottles in blue. How many are blue?



There are 12 children in Mrs Peacock's class. Half of the children are girls. How many are girls? How many are boys?

If there were 16 cars in a car park at lunchtime and half were driven away, how many would be left in the afternoon? If you have some toy cars, you could work it out using those.

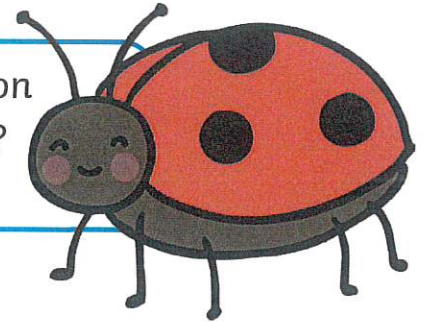


There are 22 footballers on a field and half of them are wearing red. How many footballers are in red? Draw 22 T-shirts and colour half in red to check.

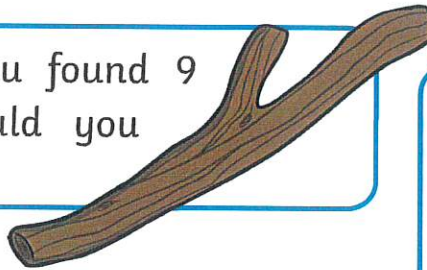
Solving Problems - Doubling

Home Learning Challenges

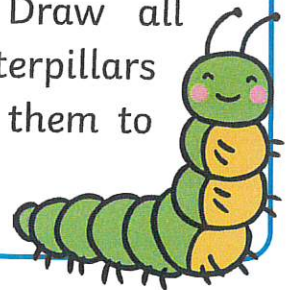
If a ladybird has 4 spots on one side and 4 spots on the other side, how many does she have in total?
Double 4.



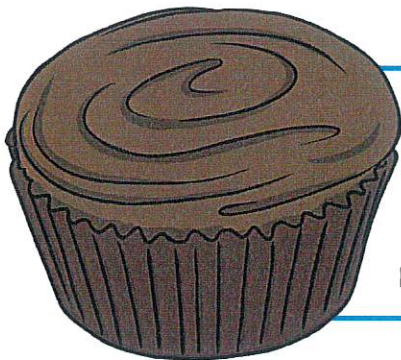
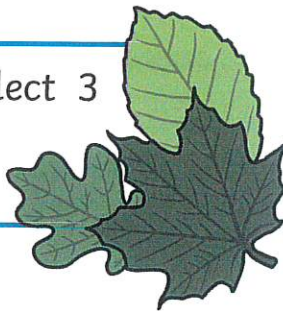
Collect 9 sticks. If you found 9 more, how many would you have altogether?



Draw 7 caterpillars on a large leaf. Double the amount. How many caterpillars are there in total? Draw all the caterpillars and count them to check.

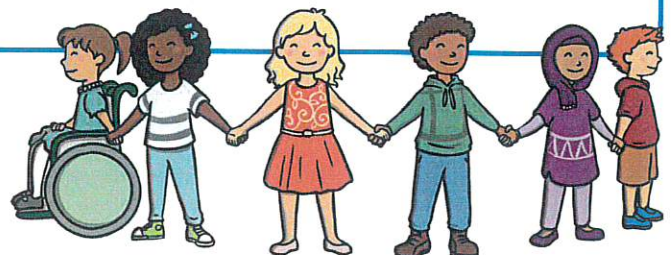


Collect 3 leaves outside. Collect 3 more. How many do you have altogether?



Jordan made 6 cupcakes for her class, but she needs to make more. There are double that number of children in her class. How many cupcakes does she need in total? Can you make that many cupcakes?

Some preschool children visit your class for an afternoon. There are usually 10 children in your class but today there are double that amount. How many children are there altogether?



Find One More or One Less

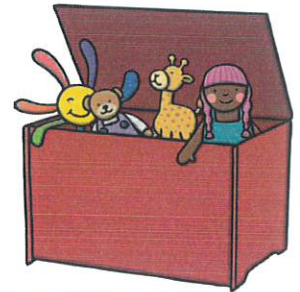
Home Learning Challenges

Ask your grown-up to tell you a number. Place this number of raisins or cereal pieces on your plate. If your grown-up says 'one more', can you add one more and say the number you have? If your grown-up says 'one less', can you eat one then count the number you have left?

There are 6 frogs on a log. One jumps into the pond. How many frogs are left on the log? Can you draw a picture to show the number of frogs?



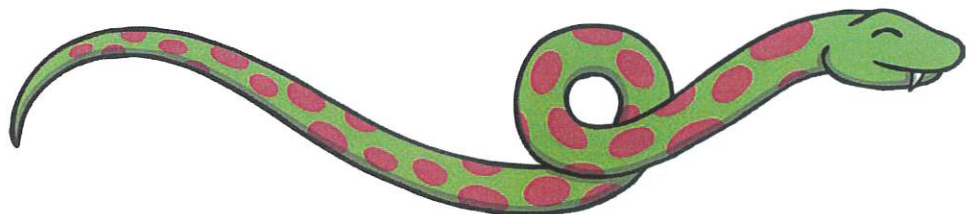
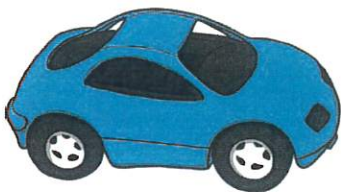
Ask a friend or grown-up to place some small toys in front of them and say how many they have. Can you count out a group of toys that is one more?



Build a tower with 7 bricks. Can you build two more towers of bricks, one that uses one less than 7 bricks and one that uses one more than 7? Can you put these in an order? What do you notice?

Ask a grown-up to draw a spotty snake. How many spots does it have? Can you count them? Can you draw a snake that has one less spot?

Park 5 toy cars in pretend car park. If one car drives away, will there be more or fewer cars? Drive one away and check by counting. Park a different number of cars in the car park and do this again.



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?

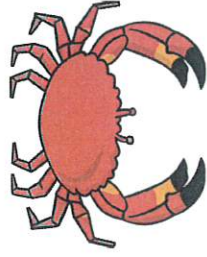
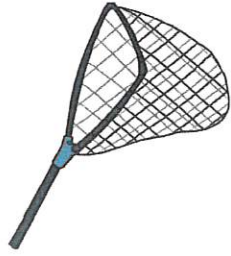
Ask an adult to hide the numbers to 20 around your room, house or garden. See if you can find all 20 and place them in order. You could ask someone to tell you a number to find. Can you remember what the number looks like and find it?

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.

Phonics Activity Mats

Fill in the missing sounds.



_et cra _

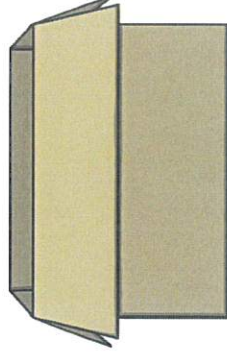
Circle the correct answer.

Has a fox got six legs?

yes

no

Circle the word that matches the picture.

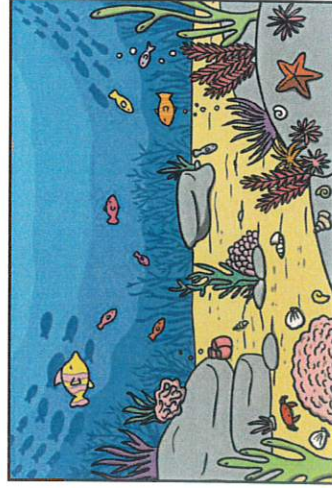


bap

box

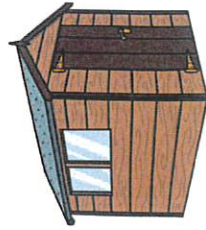
bun

Write a sentence about this picture.



Phonics Activity Mats

Fill in the missing sounds.



g _ t _ ed

Circle the picture that matches the sentence.

Jack was sitting on a chair.



Circle the word that matches the picture.



chip

chin

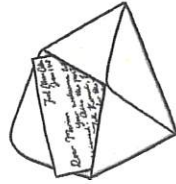
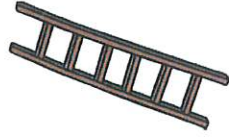
coin

Write a sentence about this picture.



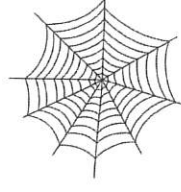
Phonics Activity Mats

Circle the pictures with the 'er' sound.



Circle the picture that matches the sentence.

The shark has sharp teeth.



Circle the correct answer.

Can a duck quack?

yes

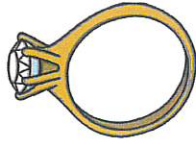
no

Write a sentence about this picture.

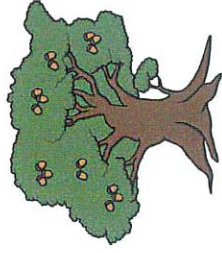


Phonics Activity Mats

Fill in the missing sounds.



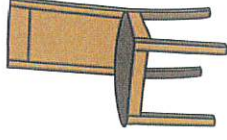
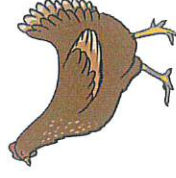
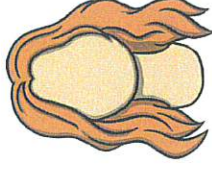
ri _ tr _



Draw a picture to match the sentence.

The bee sat on the flower.

Circle the pictures with the 'air' sound.



Write a sentence about this picture.



Phonics Activity Mats

Circle the correct answer.

Do trains run on
tracks?

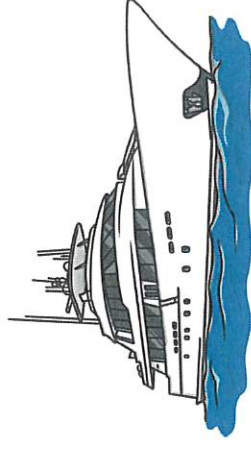
yes

no

Draw a picture to match
the sentence.

The frog jumps in
the pond.

Circle the word that matches
the picture.



sheep

shed

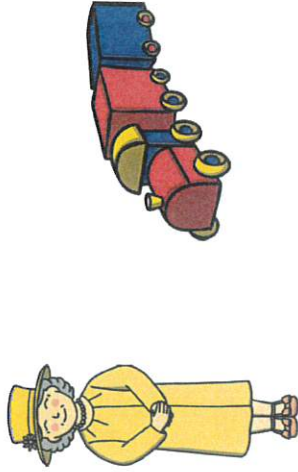
ship

Write a sentence about this picture.



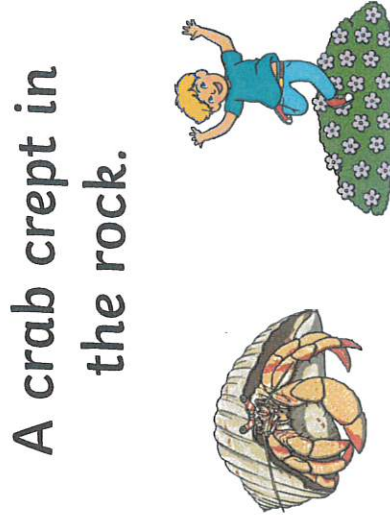
Phonics Activity Mats

Fill in the missing sounds.



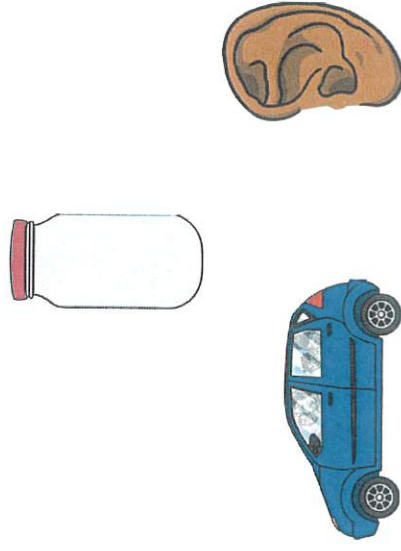
__een tr__n

Circle the picture that matches the sentence.

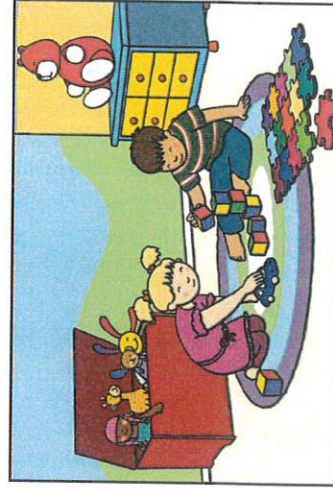


A crab crept in the rock.

Circle the pictures with the 'ar' sound.



Write a sentence about this picture.

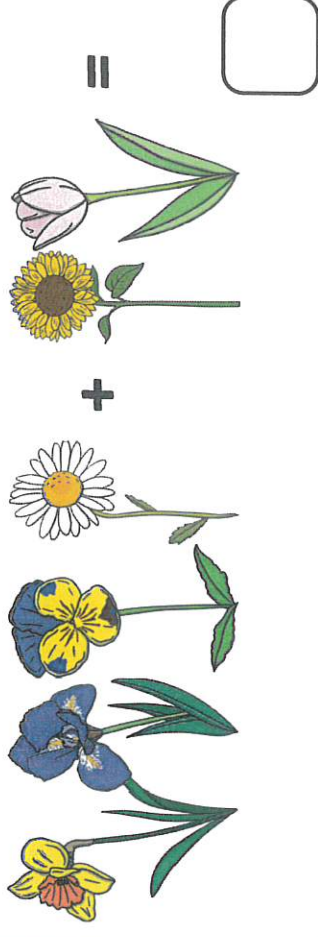


Maths Activity Mats

Which numbers come next?

2 3 4

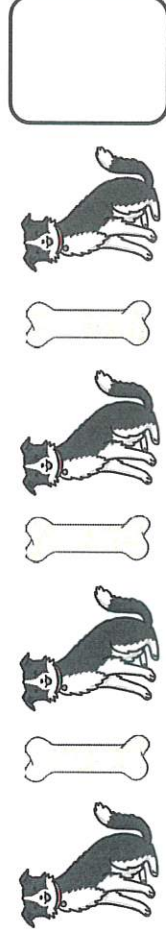
Can you work out the answer?



Which activity would you do at night time?
Circle it.



Which picture comes next in the pattern? Circle it.



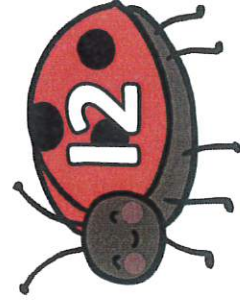
1 2 3 4 5 6 7 8 9 10

Maths Activity Mats

Can you write **one more** and **one less** than 12?



one less

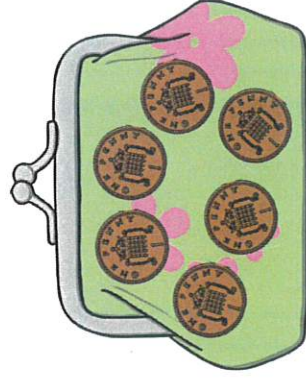


one more

Which shape has **4 sides**? Circle it.

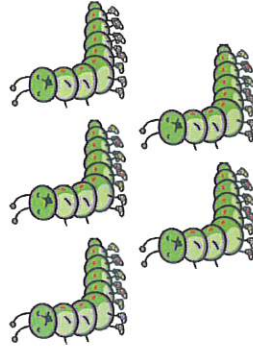


How much money is in the purse?

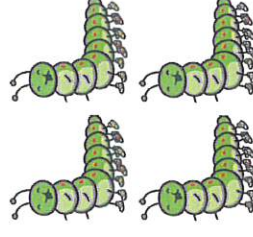


p

Can you work out the answer?



+



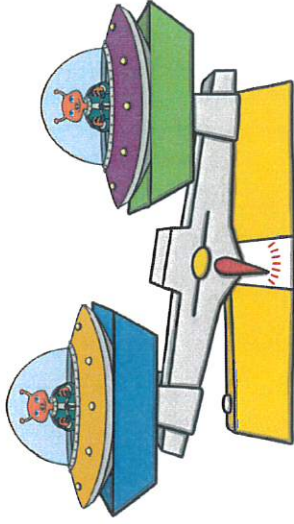
=



1 2 3 4 5 6 7 8 9 10

Maths Activity Mats

Which spaceship weighs **more**? Circle it.



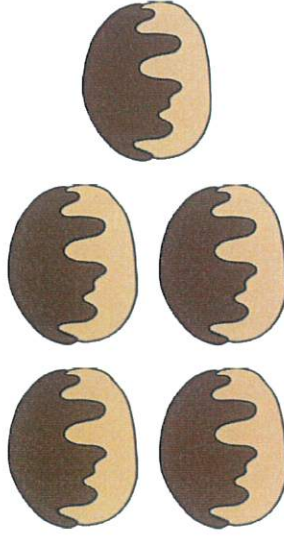
Put the numbers in order from **smallest** to **largest**.

7 10 3

smallest

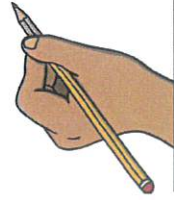
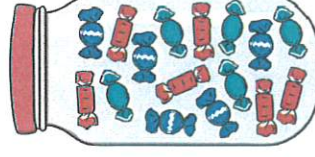
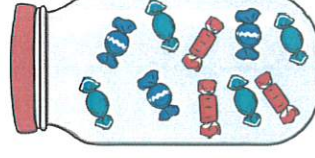
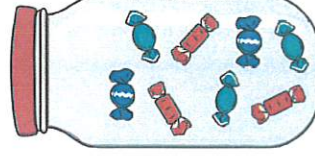
largest

Can you work out the answer?



- 2 =

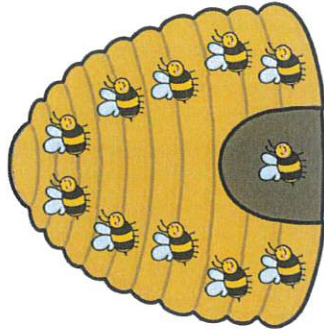
Which jar has 16 sweets? Circle it.



1 2 3 4 5 6 7 8 9 10

Maths Activity Mats

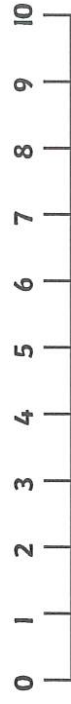
Can you **estimate** how many bees there are?



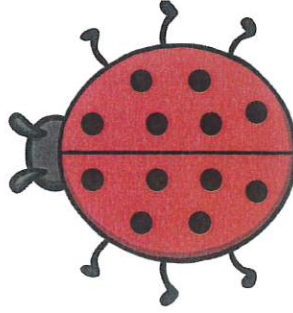
Count and check.

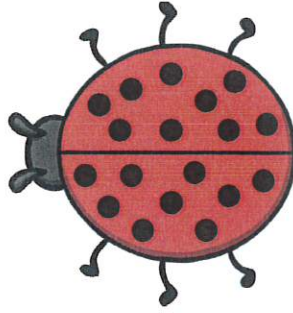
Can you work out the answer?

$$4 + 3 = \square$$

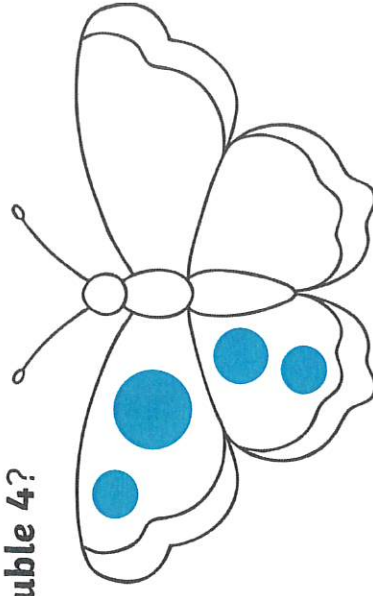


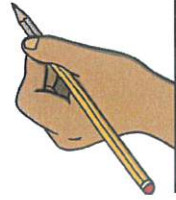
How many spots does each ladybird have?





What is **double 4**?





1 2 3 4 5 6 7 8 9 10

Maths Activity Mats

Can you draw a **triangle**?

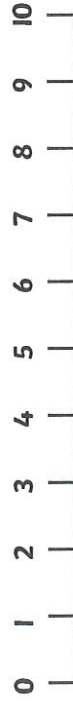
How many corners does it have?

Which number comes next?

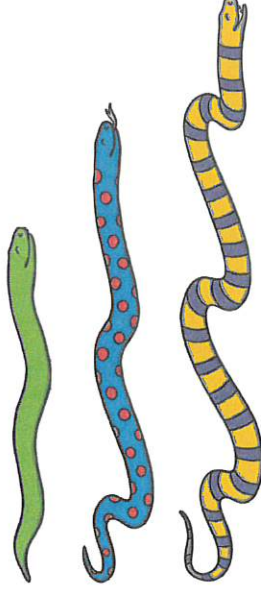
8 9 10

Can you work out the answer?

$$6 + 2 = \square$$



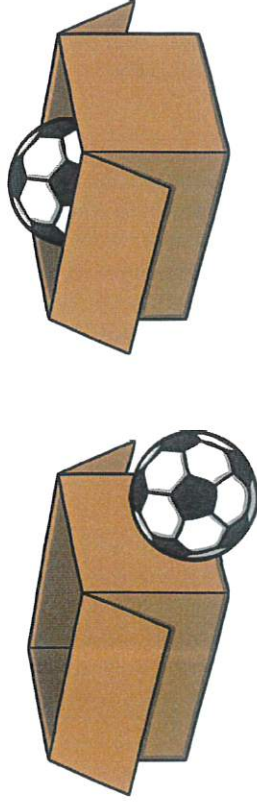
Which snake is the **longest**? Circle it.



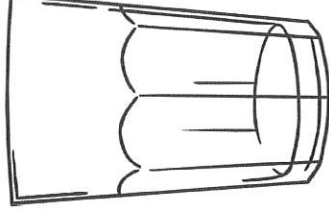
1 2 3 4 5 6 7 8 9 10

Maths Activity Mats

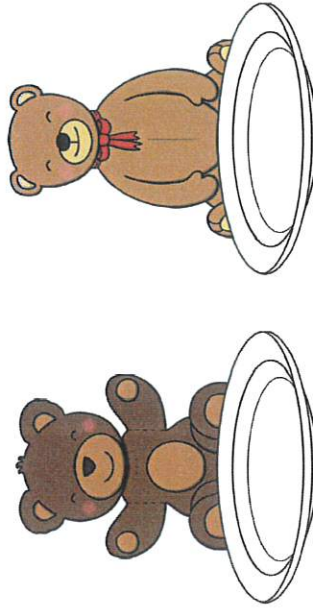
Which picture shows the ball **in** the box? Circle it.



Can you make the glass **half full**?



Share **4 cakes** between the **2 teddies**.

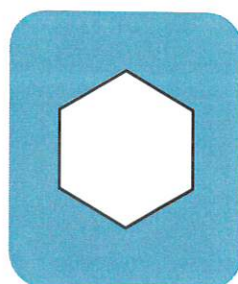
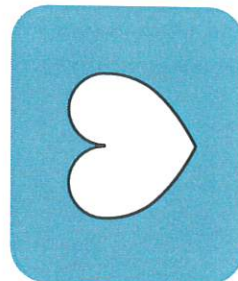
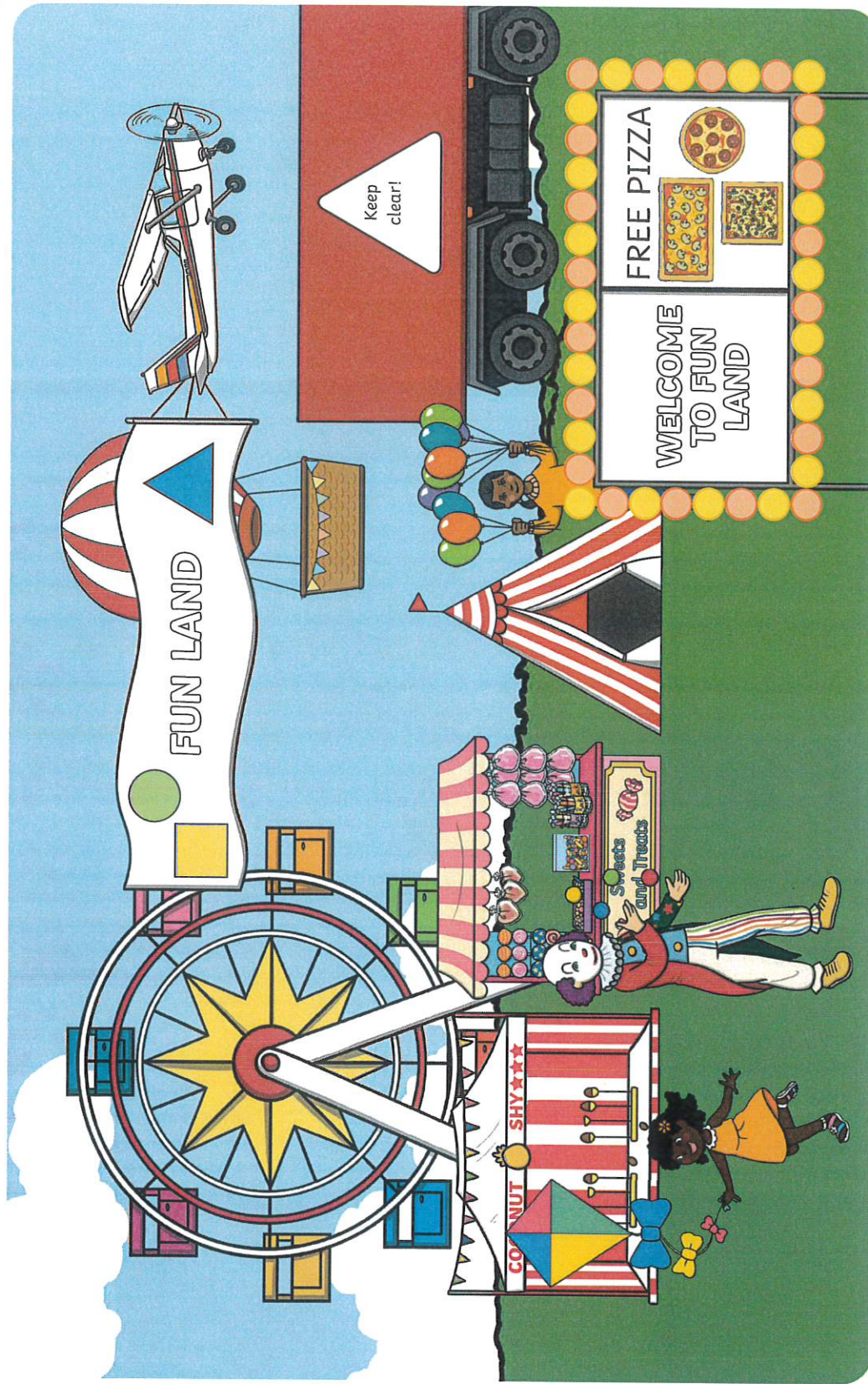
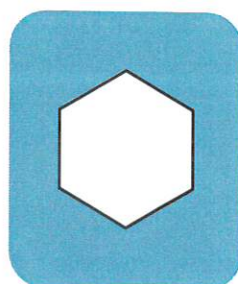
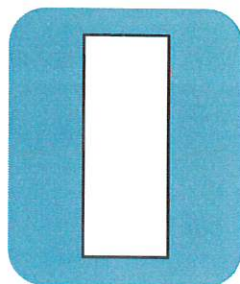
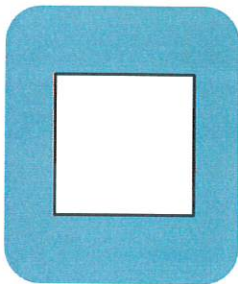
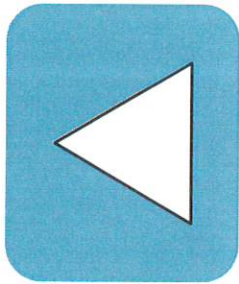
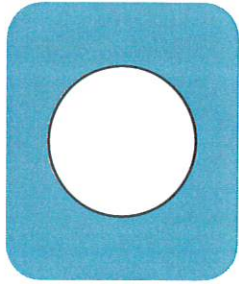


Can you work out the answer?

$$8 - 3 = \square$$



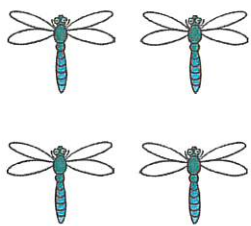
1 2 3 4 5 6 7 8 9 10



How many can you find ...?

Minibeast Subtraction

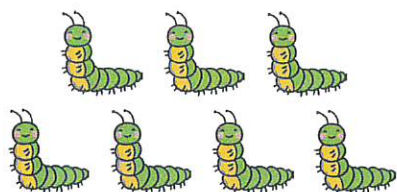
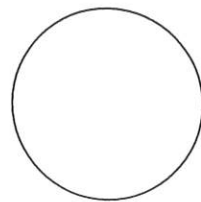
Write the answers in the circles. Then write the number sentence on the line below.



-

1

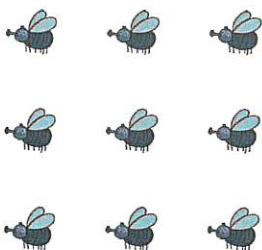
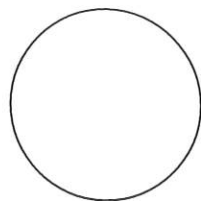
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-

3

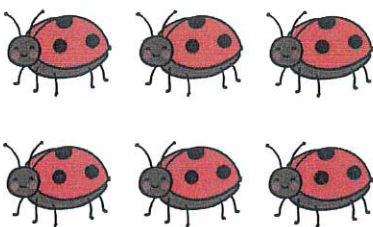
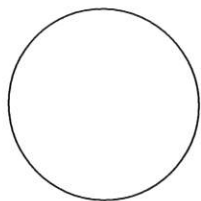
=



-

2

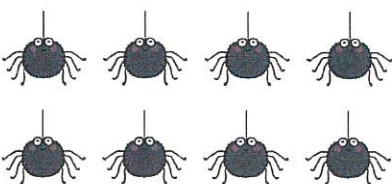
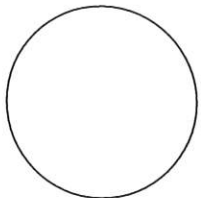
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5

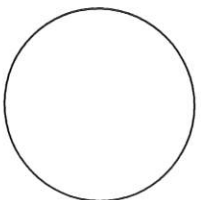
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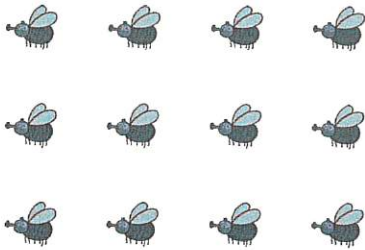
4

=

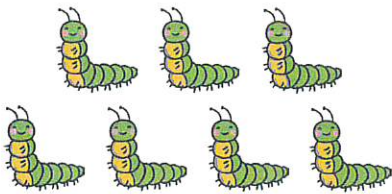
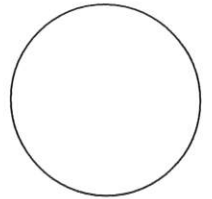


Minibeast Subtraction

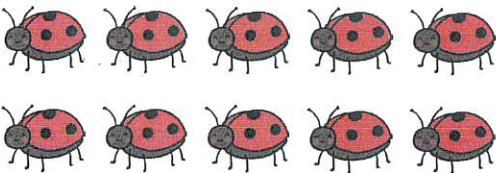
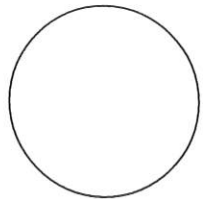
Write the answers in the circles. Then write the number sentence on the line below.



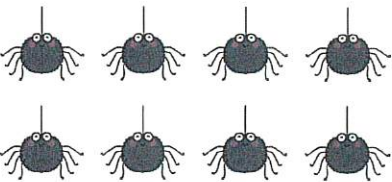
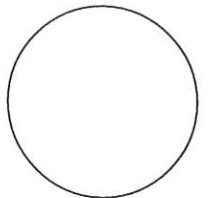
$$- 6 =$$



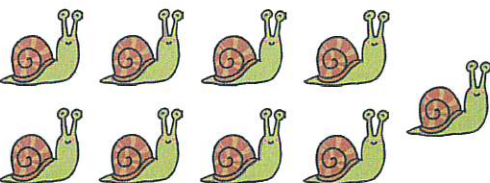
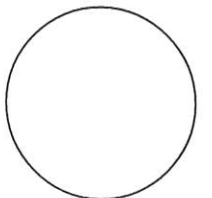
$$- 4 =$$



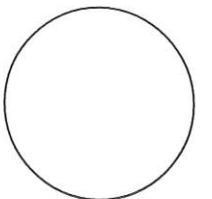
$$- 8 =$$



$$- 5 =$$



$$- 2 =$$



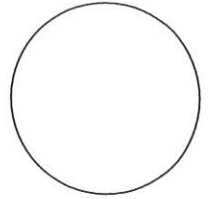
Minibeast Subtraction

Write the answers in the circles. Then write the number sentence on the line below.



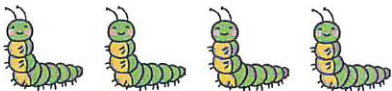
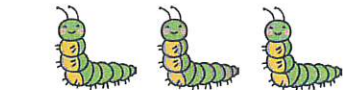
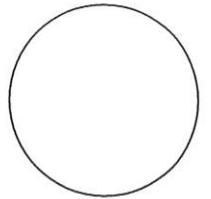
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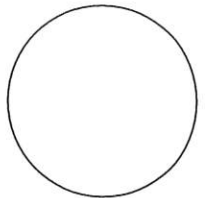
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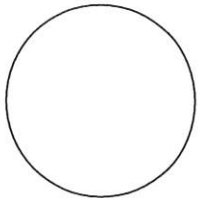
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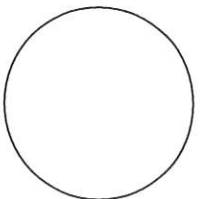
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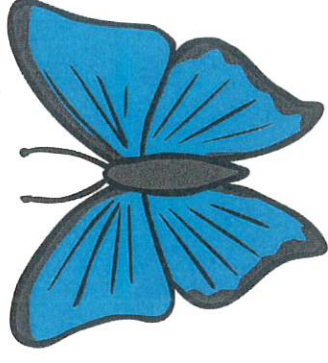


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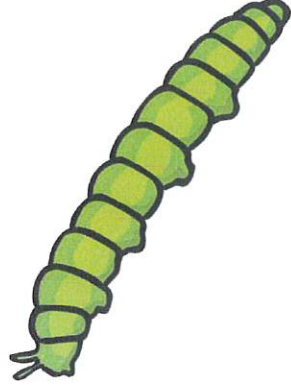


butterfly

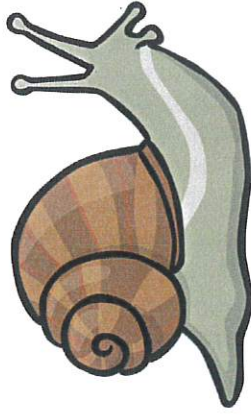


twinkl.co.uk

caterpillar

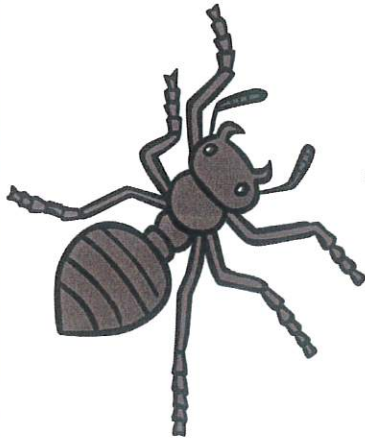


twinkl.co.uk



snail

twinkl.co.uk



ant

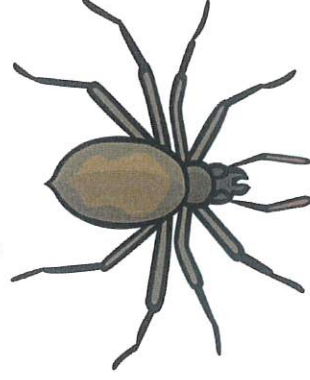
twinkl.co.uk



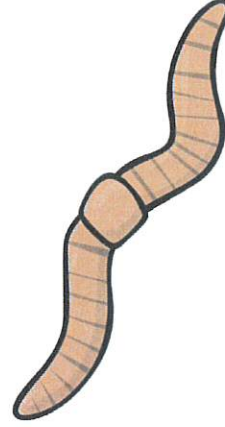
bee

twinkl.co.uk

spider



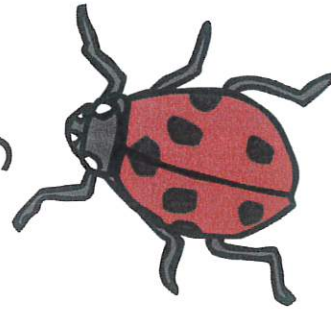
twinkl.co.uk



worm

twinkl.co.uk

ladybird



twinkl.co.uk

I will turn into
something
with wings.

twinkl.co.uk

I came out
of a
chrysalis.

twinkl.co.uk

I have
spots!

twinkl.co.uk

I have no legs
and
am wriggly.

twinkl.co.uk

I have
8 legs.

twinkl.co.uk

I am very
busy making
honey!

twinkl.co.uk

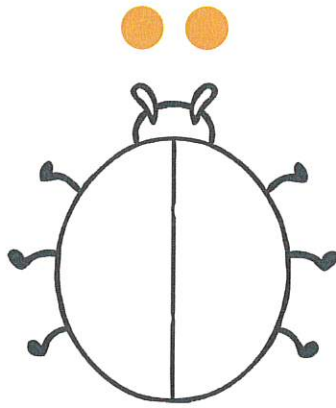
I leave a
slimy trail.

twinkl.co.uk

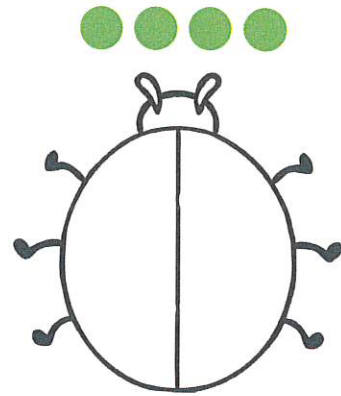
I am very
strong and live
in a nest.

twinkl.co.uk

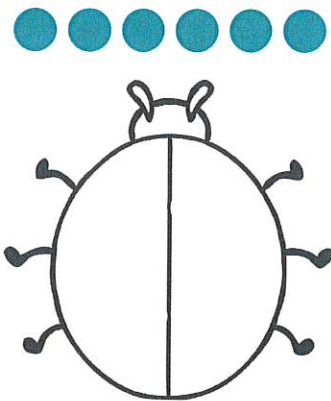
Ladybird Halving to 10



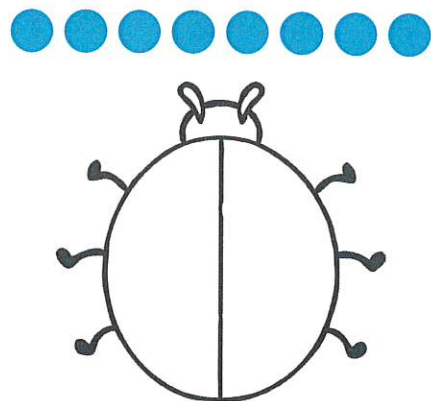
Half of 2 is _____



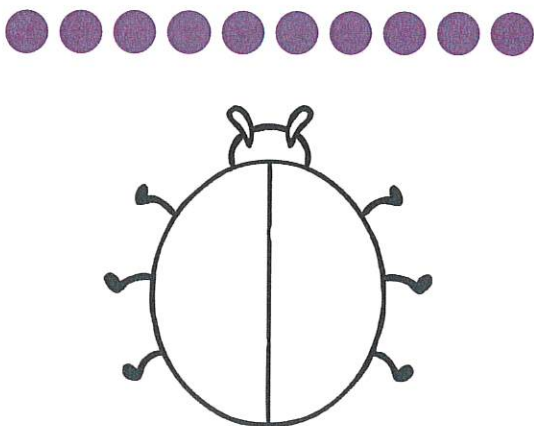
Half of 4 is _____



Half of 6 is _____



Half of 8 is _____

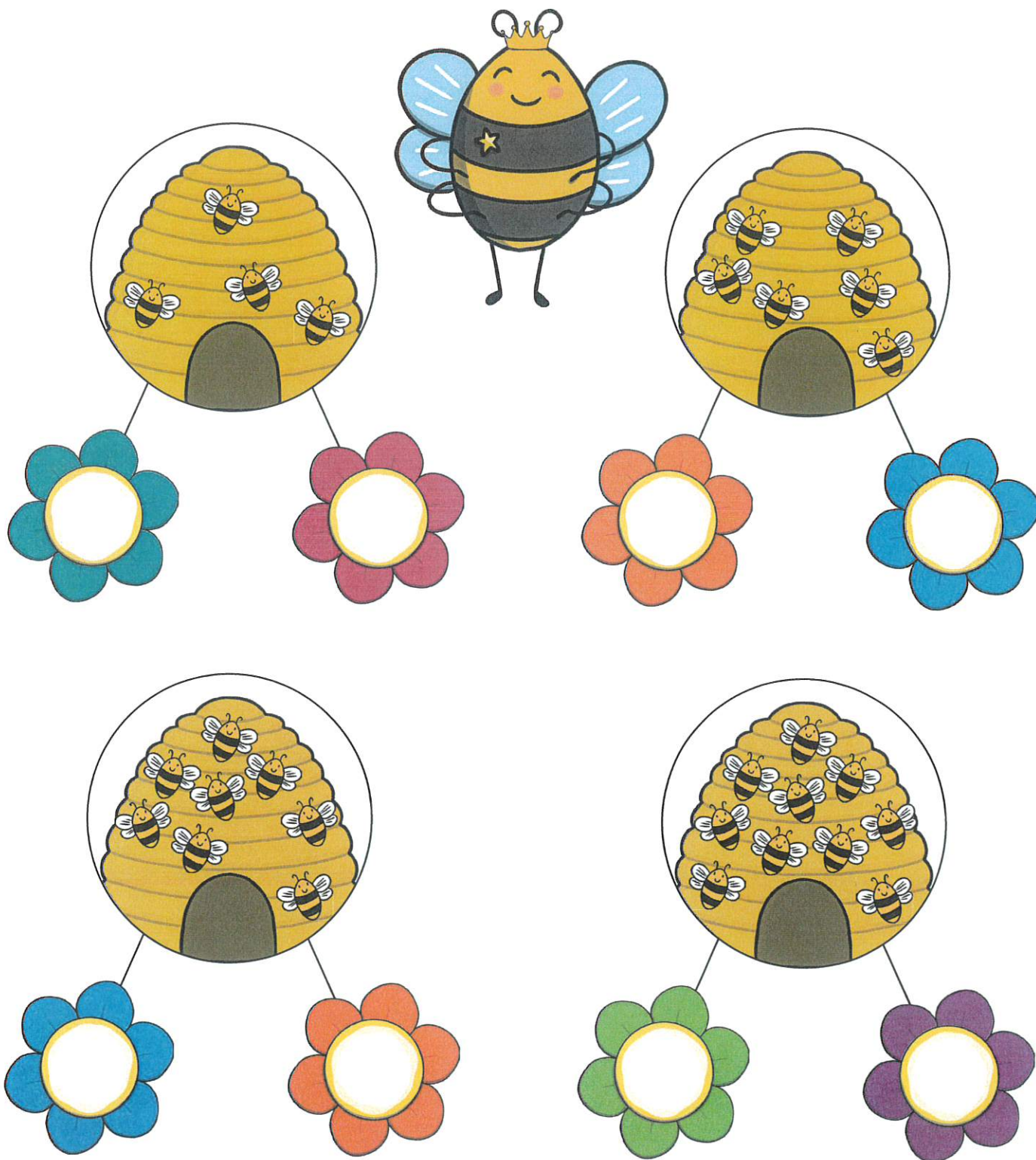


Half of 10 is _____

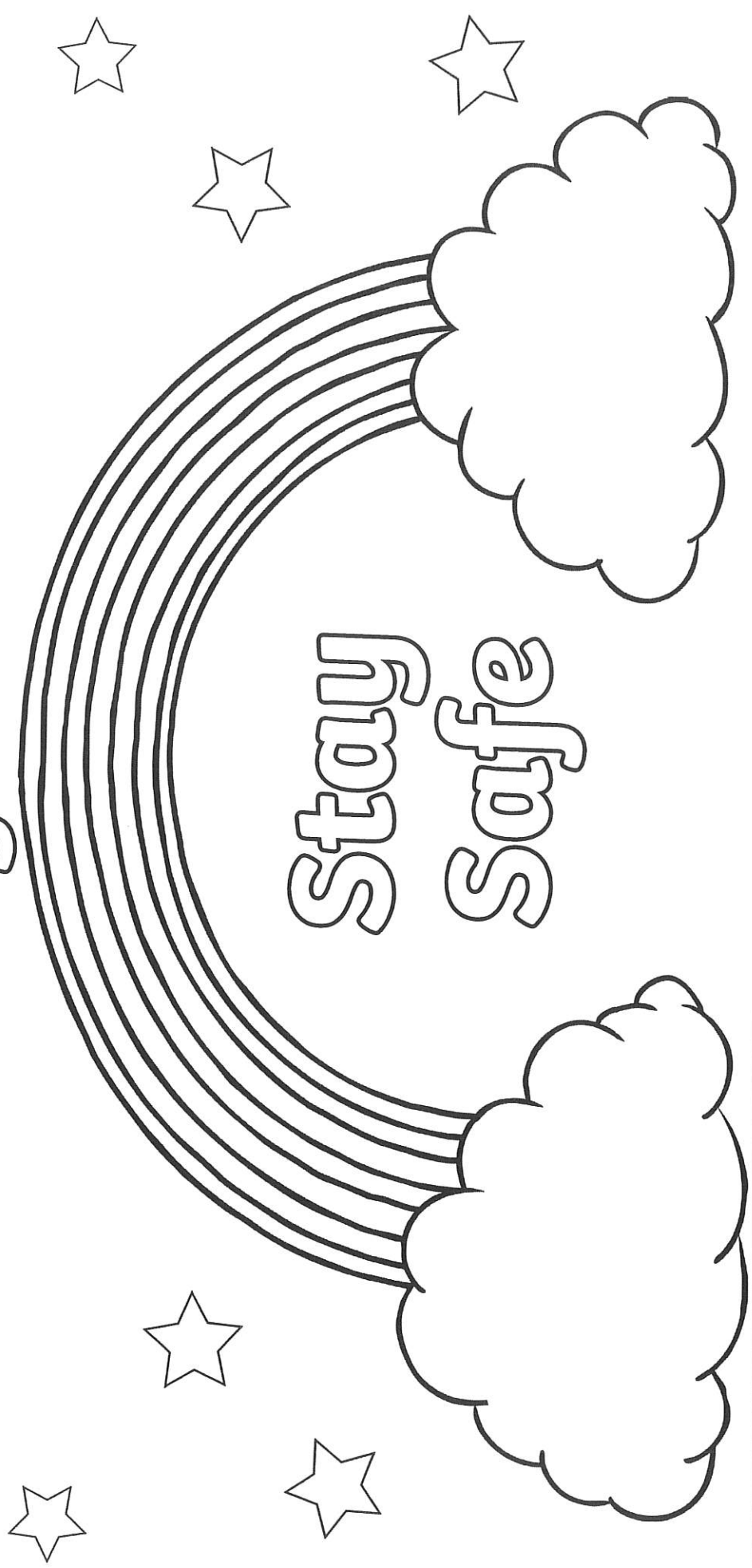
Bees in the Garden Halving Activity

The queen bee needs to share the bees out fairly so that each flower has half the number of bees from the hive.

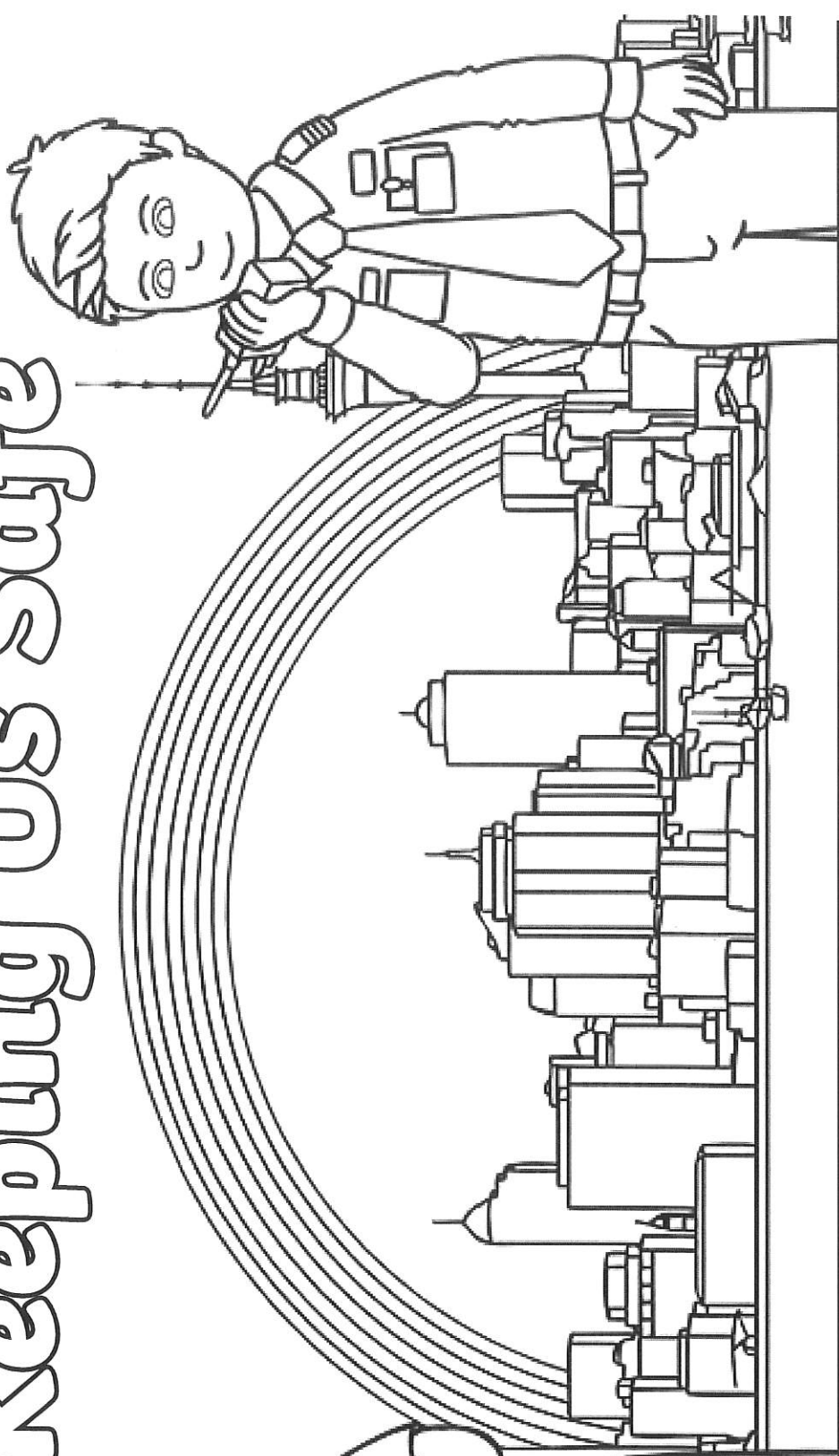
Can you help the queen bee put half of the bees on to each flower? Draw the bees on the flowers.



Thank You to
Our Key Workers



Thank You For Keeping Us Safe



How to Grow a Rainbow

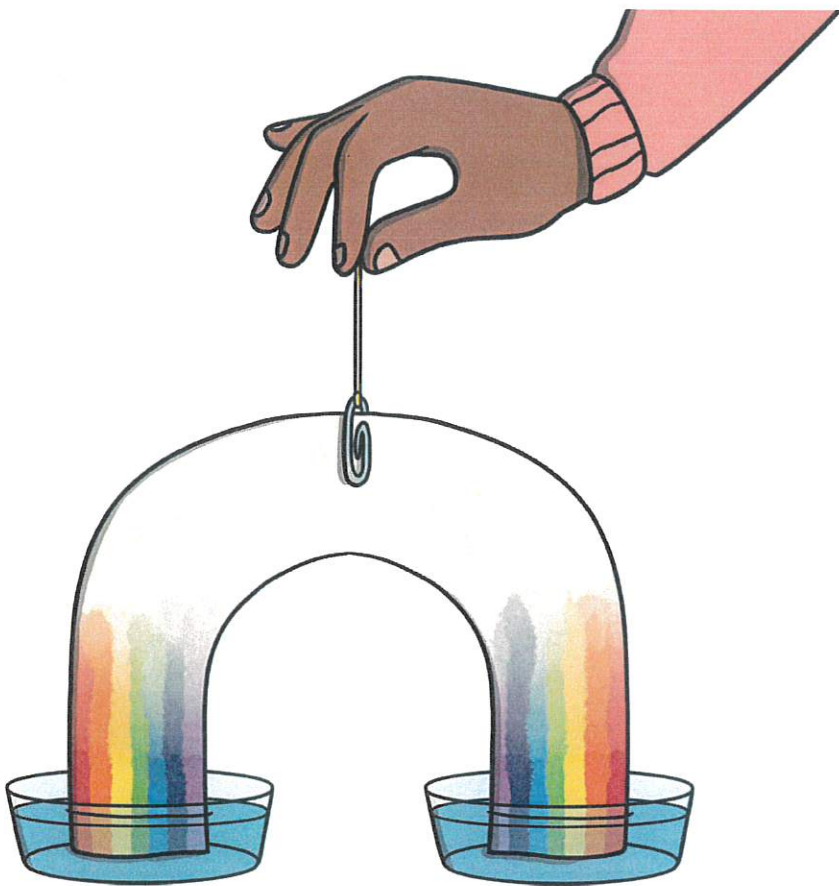
Science Experiment

Did you know that you can grow your own rainbow?

You will need a scientific process called the **capillary action**. This action happens when a liquid moves up through a hollow tube or into a spongy, solid material. It happens when three forces work together: **cohesion**, **adhesion** and **surface tension**.

Water molecules like to stick to each other - this is called **cohesion**. They also like to stick to solids in a process called **adhesion**.

In this experiment, you are going to use kitchen roll. The fibres in kitchen roll have lots of little holes. Water is **absorbed** through the kitchen roll because when the first water molecule **adheres** to it and begins to move upward, it pulls the next water molecule up with it, like a chain.



Words To Learn:

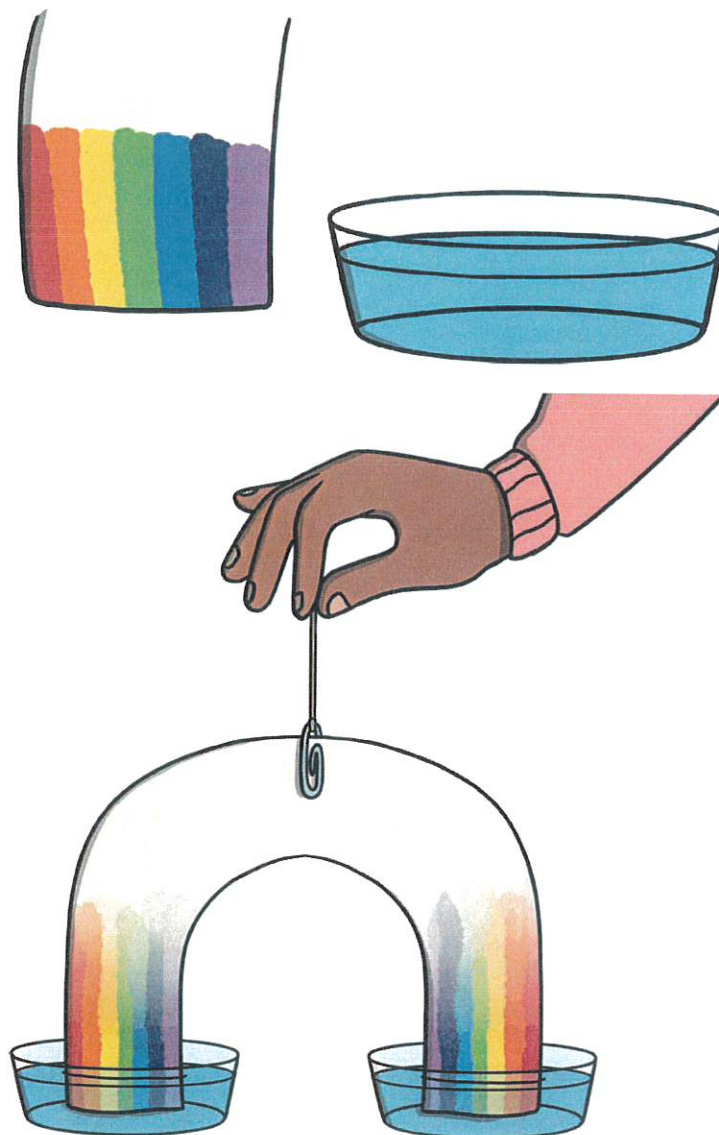
- capillary action
- adhesion
- cohesion
- absorbed

You will need:

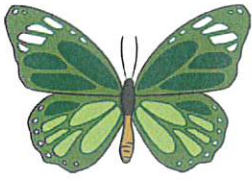
- Kitchen roll/paper towel
- Felt-tip pens
- Two small bowls of water
- Paperclip
- Thread

What To Do:

1. Cut the kitchen roll into the shape of a rainbow.
2. At each end, use the felt-tip pens to colour a rainbow about 2cm up from the bottom. Remember the order of the colours: red, orange, yellow, green, blue, indigo, violet.
3. Attach the paperclip to the top of the rainbow and tie a piece of thread to it. This will allow you to hold your rainbow.
4. Add water to the two bowls.
5. Hold the rainbow with both ends slightly submerged into each bowl of water and watch your rainbow grow.



Caterpillar Odd and Even Numbers

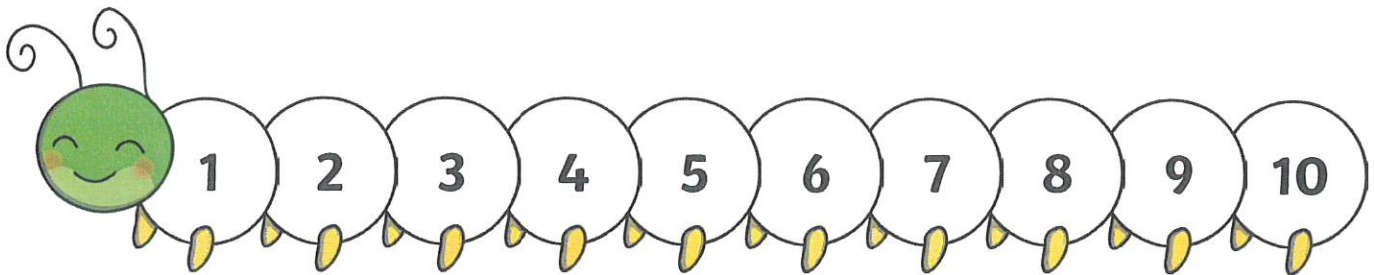


Even numbers end in 0, 2, 4, 6 or 8.



Odd numbers end in 1, 3, 5, 7 or 9.

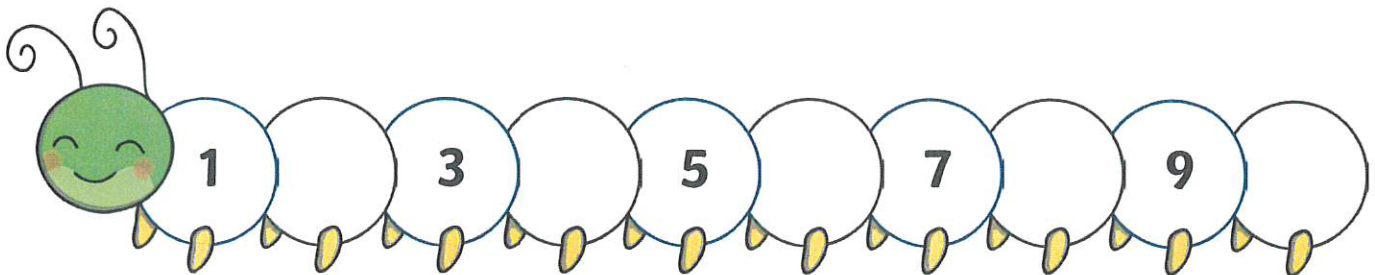
On this caterpillar, colour the even numbers **green** and the odd numbers **blue**.



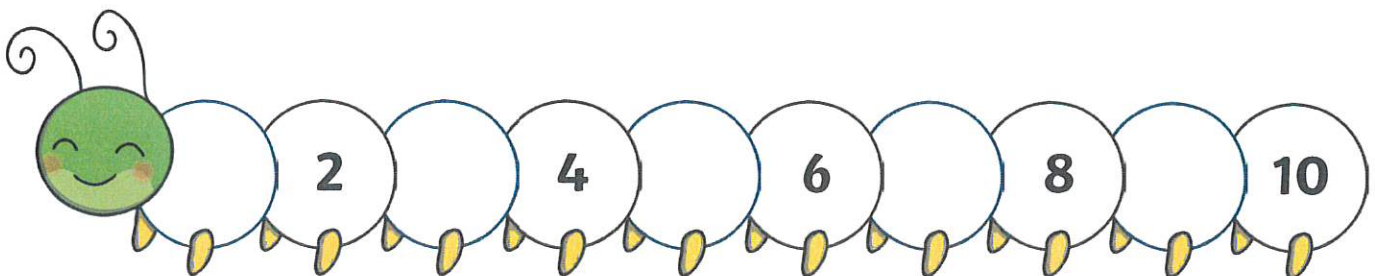
Would 11 be an odd or even number? _____

Would 20 be an odd or even number? _____

On this caterpillar, fill in the **even** numbers.



On this caterpillar, fill in the **odd** numbers.

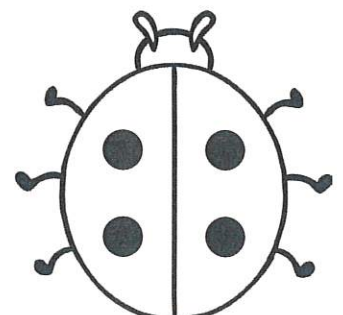
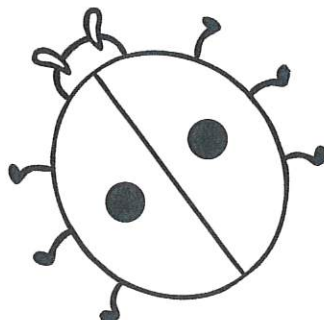
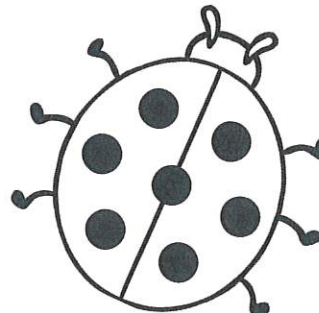
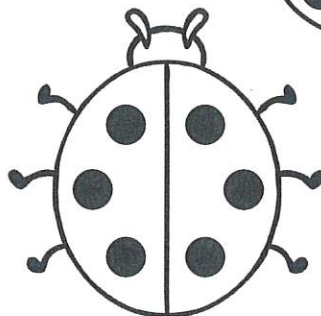
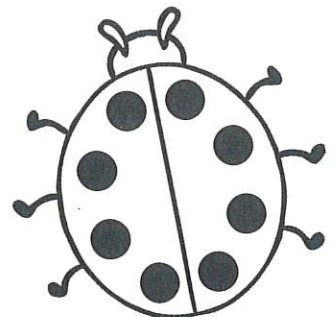
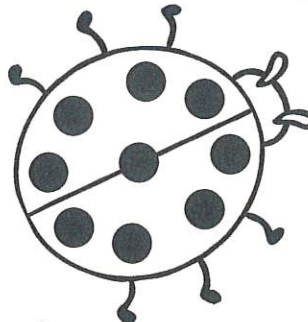
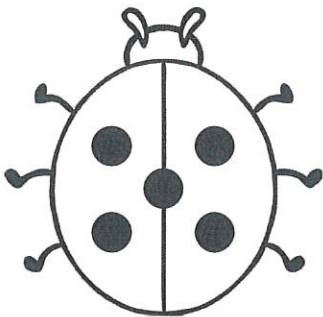
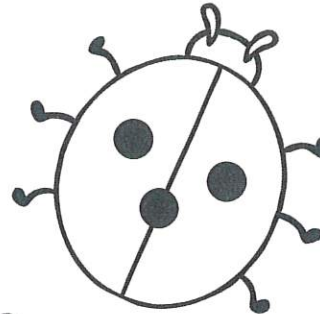
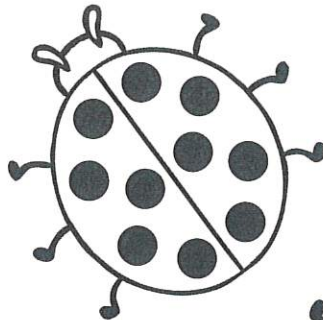
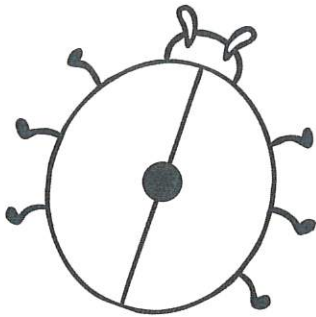


Odd and Even Ladybirds

There are lots of ladybirds in the garden. Count the spots and colour the ladybirds.

Colour the ladybirds with an even number of spots **yellow**.

Colour the ladybirds with an odd number of spots **red**.



What odd numbers did you find on the **red** ladybirds?

What even numbers did you find on the **yellow** ladybirds?

What's for Dinner?

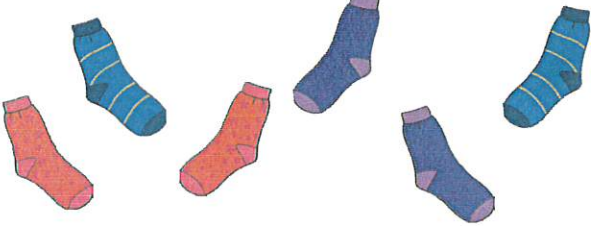
Pair the food items shown below by drawing circles around them. Then, write the number of items and say whether it is odd or even. The first one has been done for you.



	7	☒ odd ☐ even
		☐ odd ☐ even
		☐ odd ☐ even
		☐ odd ☐ even
		☐ odd ☐ even
		☐ odd ☐ even
		☐ odd ☐ even
		☐ odd ☐ even
		☐ odd ☐ even
		☐ odd ☐ even

Odd Socks Activity for Odds and Evens

Count the socks and then pair them up. Is there an odd sock?

	How many socks are there? Is there an odd one out? yes no Is there an odd or even number of socks? odd even
	How many socks are there? Is there an odd one out? yes no Is there an odd or even number of socks? odd even
	How many socks are there? Is there an odd one out? yes no Is there an odd or even number of socks? odd even
	How many socks are there? Is there an odd one out? yes no Is there an odd or even number of socks? odd even
	How many socks are there? Is there an odd one out? yes no Is there an odd or even number of socks? odd even

Draw an odd number of socks.	Draw an even number of socks.
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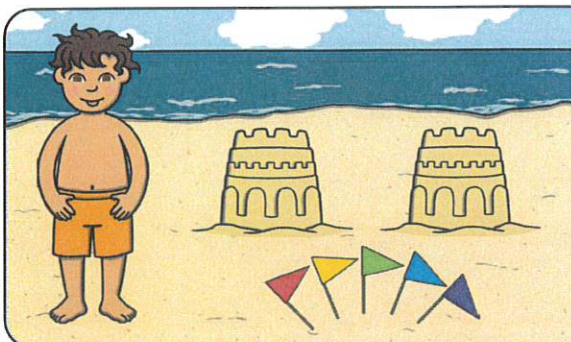
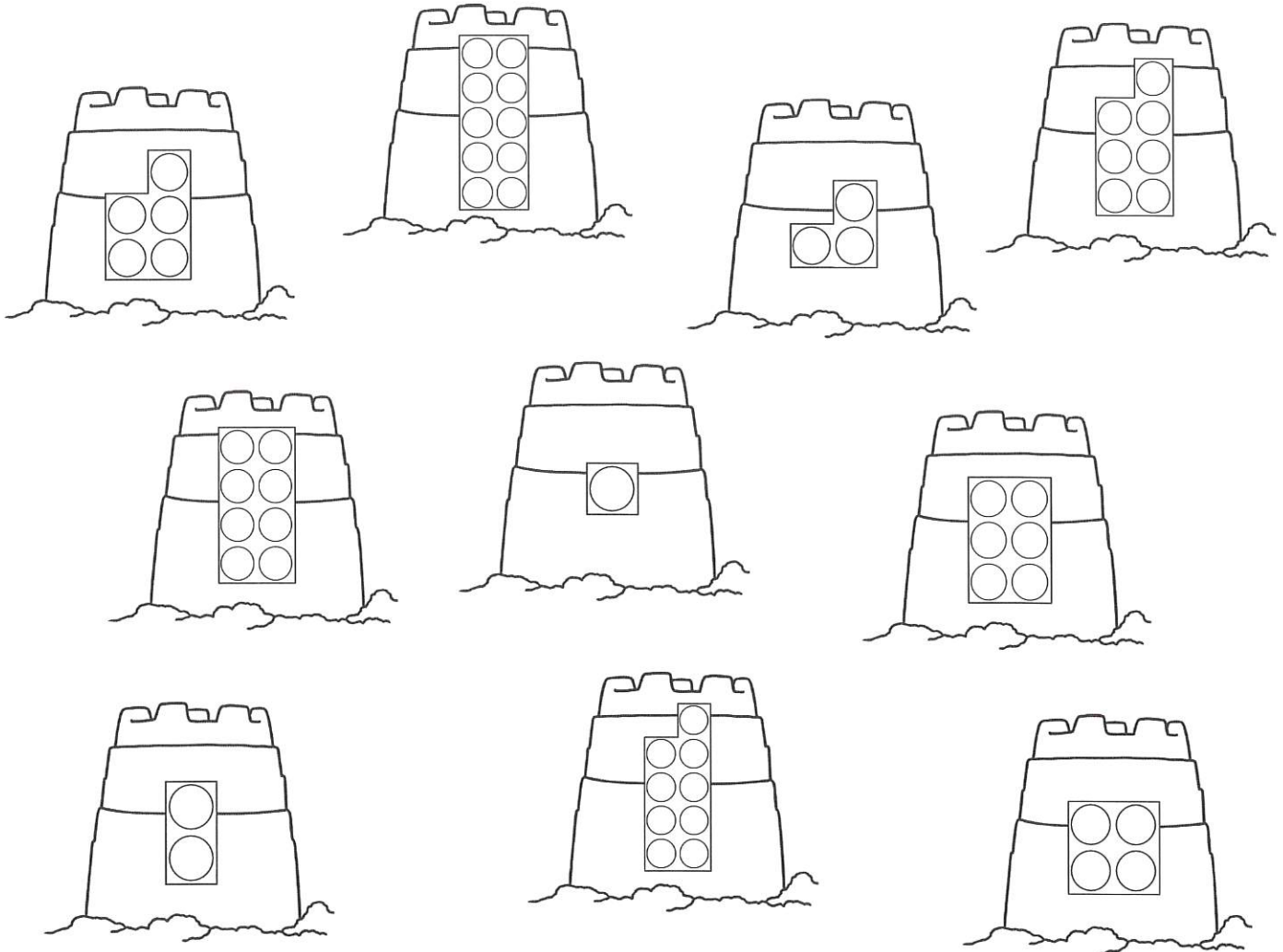
Odds and Evens Sandcastles Activity

Colour the sandcastles below. Choose two different colours, one for the odd and one for the even sandcastles. Record the colours below to remind yourself.

Odd sandcastles

☐

Even sandcastles

☐


Tim is building 2 sandcastles.

He has 5 flags. Tim wants to know:

Is 5 an odd or even number? _____