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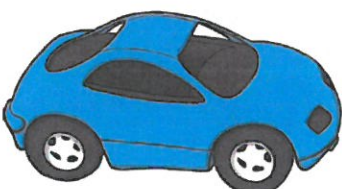
Ask a friend or grown-up to place some small toys in front of them and say how many they have. Can you count out a group of toys that is one more?

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.

Plants and Growth Home Learning Challenge

There are 10 seeds waiting to grow in a flowerpot. If 4 seeds start to grow, how many seeds would still be waiting to grow? You could use your fingers or draw a picture to help you.
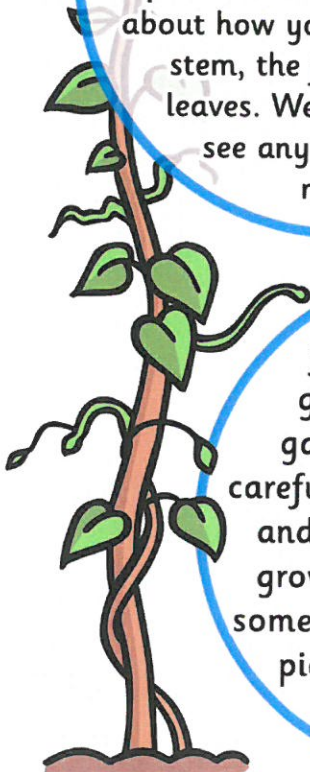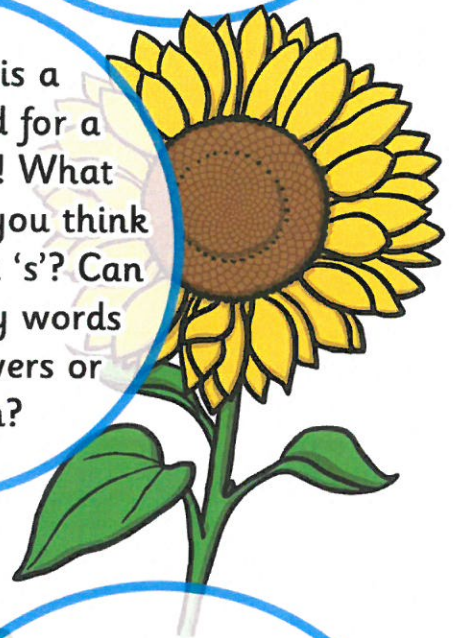
Draw or paint a picture of some flowers. What colours do you need? Can you remember the different parts of a flower? Try using the words 'stem', 'leaves' and 'petals' to describe your flowers.

Try making a model of a flower. You could use playdough, paper or card, construction toys, empty cardboard tubes and boxes or plastic tubs and pots. Think about how you could make the stem, the flower and the leaves. We would love to see any models you make!

'Sunflower' is a very long word for a very tall flower! What other words can you think of that start with 's'? Can you think of any words to do with flowers or the garden?

Go for a walk with a grown-up around a garden or park. Look carefully to see what plants and flowers you can see growing. You could take some photos or draw some pictures of the things you see.

Try growing some plants or flowers at home. You could try planting some seeds in a pot or in your garden. Remember to give your seeds some water and put them somewhere sunny. Cress seeds grow quite quickly or you could try planting some flowers.
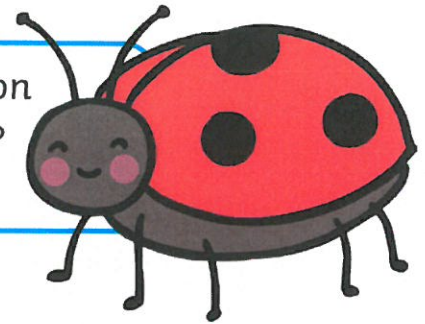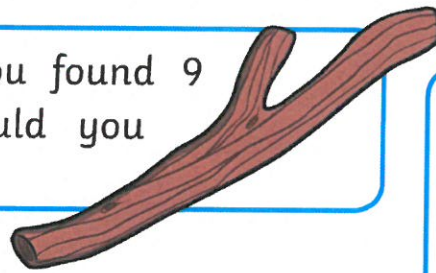
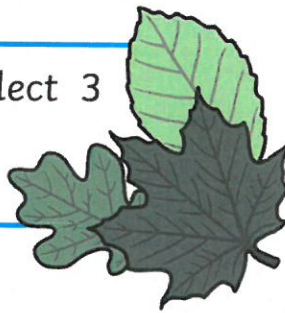# Solving Problems - Doubling

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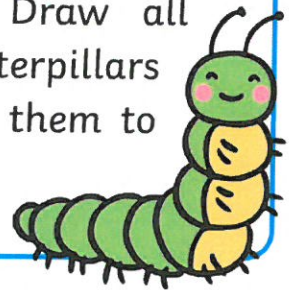
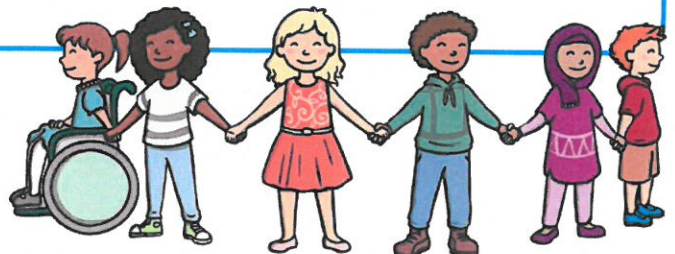Collect 9 sticks. If you found 9 more, how many would you have altogether?

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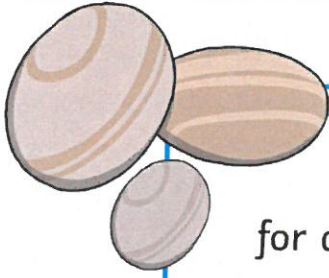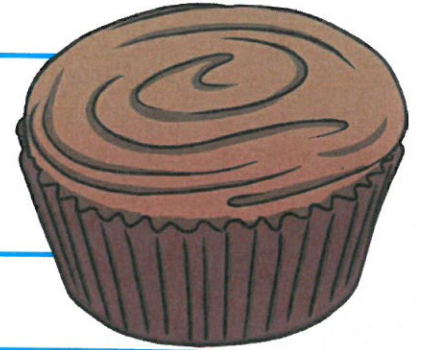
Some preschool children visit your class for an afternoon. There are usually 10 children in your class but today there are double that amount. How many children are there altogether?

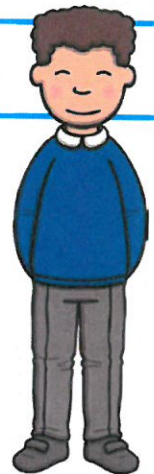# Solving Problems - Halving

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?
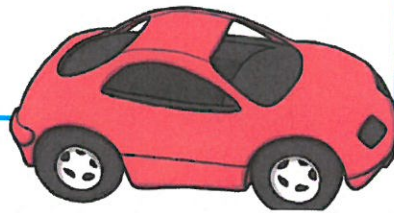
Count out 10 sticks or stones. Put half into the soil for animals to hide under and put half in a wooden box for an insect home. How many do you have in the box? How many in the soil?
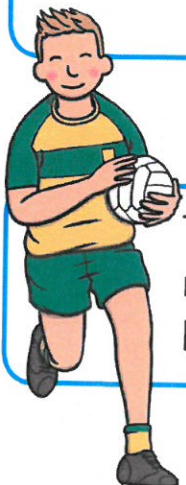
Draw 8 bottles of paint on a classroom shelf. Colour half the paint bottles in blue. How many are blue?

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 12 children in Mrs Peacock's class. Half of the children are girls. How many are girls? How many are boys?
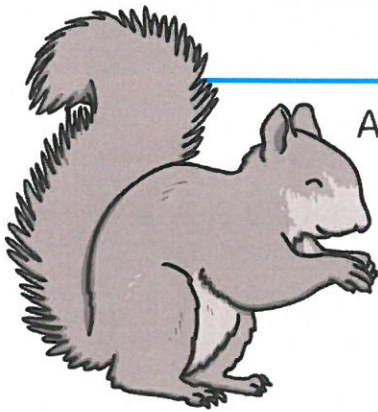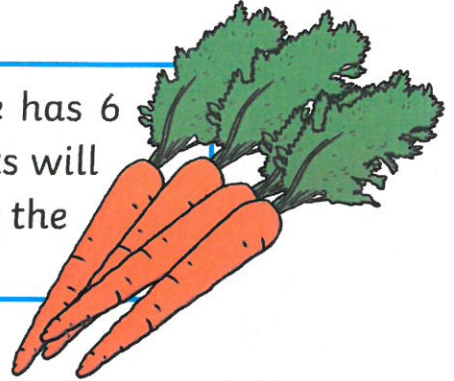
There are 22 footballers on a field and half of them are wearing red. How many footballers are in red? Draw 22 T-shirts and colour half in red to check.

Solving Problems - Sharing
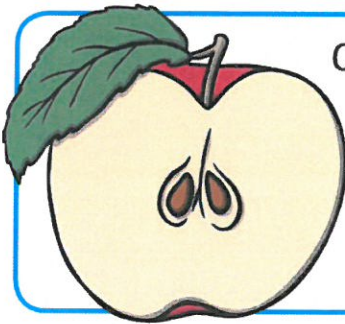
Home Learning Challenges

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?

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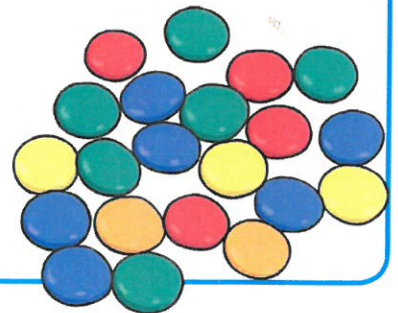
Cut up an apple into 8 slices. If you shared it equally between yourself and a friend, how many pieces would you have each?

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?
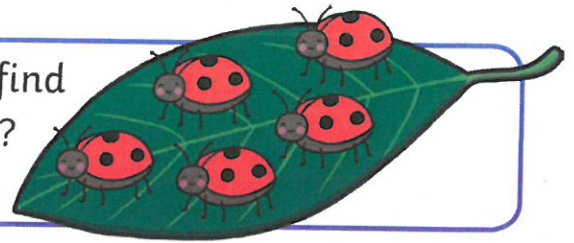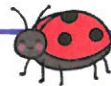
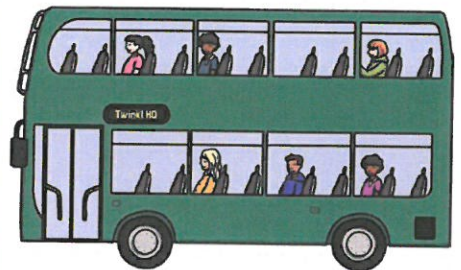# Addition: Adding Objects and Counting On

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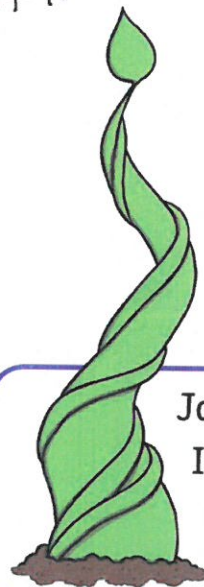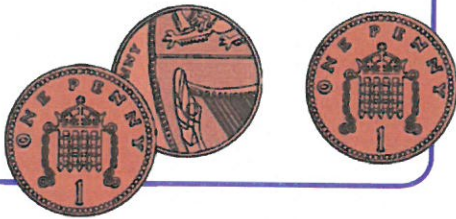
In a football match, Anna's team have scored 3 goals. Then, Anna scores 1 more goal! How many goals have they scored altogether?

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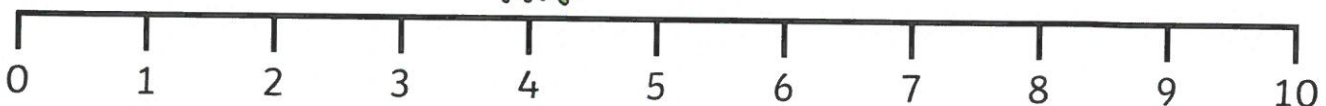
Azmeer has 5 1p coins in his money box. His grandad gives him 4 more 1p coins. How many does Azmeer have altogether? Ask a grown-up to help you find some 1p coins to check your answer.

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?
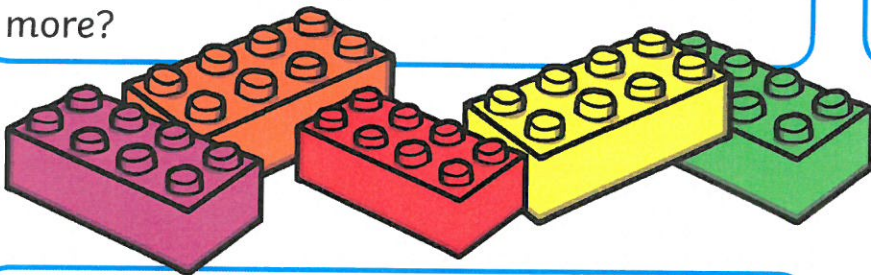
0 1 2 3 4 5 6 7 8 9 10

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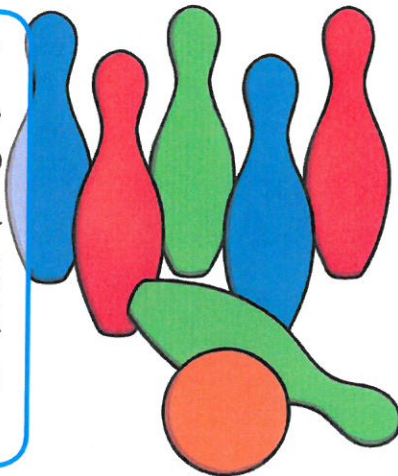
Home Learning Challenges

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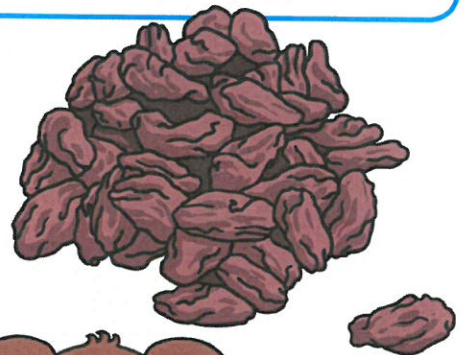
Place 10 raisins or small treats on a plate. If you eat 5, how many will you have left? How do you know? Can you eat 5 and check?

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.

10p

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?

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?