

Year One Maths Home Learning

Week beginning: 4th May 2020

What you'll find this week:

- * Monday - Halving
- * Tuesday - Ordering
- * Wednesday - Length and Height
- * Thursday - Shape
- * Friday - Word Problems

Monday - Halving

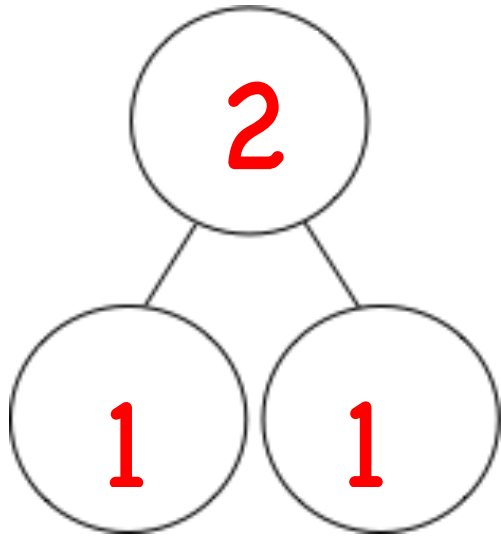
The queen bee needs to share the bees out fairly, so that each flower has half the number of bees from the hive. Can you help the queen bee by drawing half of the bees onto each flower, using the part whole models? Write the corresponding number facts to show your understanding.

Make it different: Explore halving an amount by using everyday foods or objects. For example, smarties or pasta, or even pencils. Count how many you have altogether, such as 10 then see if you can share it equally with a grown up in your house. You and your grown up should end up with 5 each.

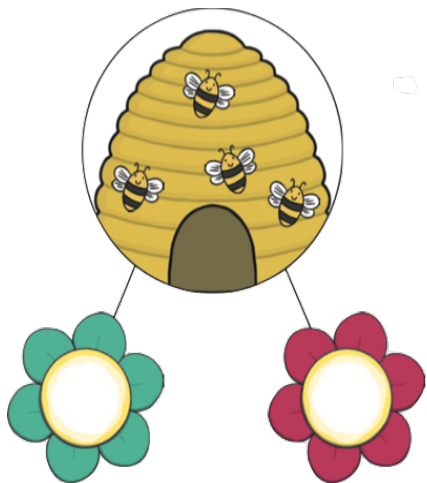
Extra Challenge: Can you continue the part whole model up to 20? Is there a pattern to halving?

*Think about the pattern you found for doubling.

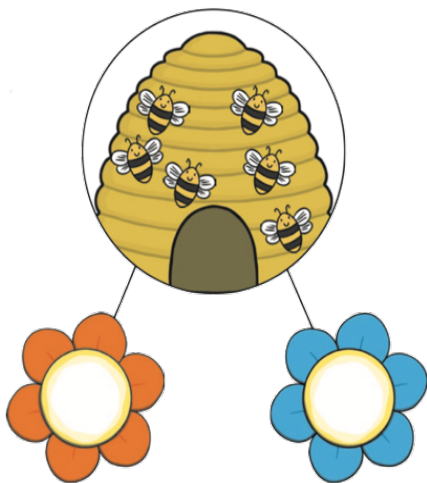
Example:



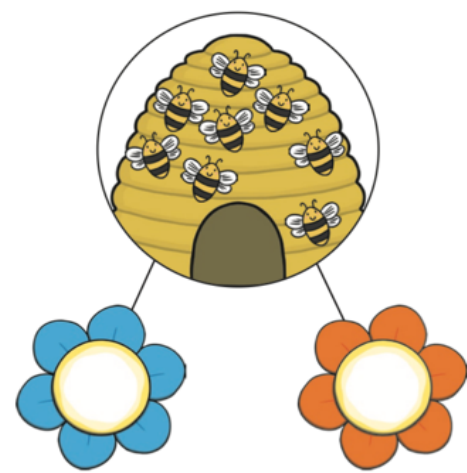
$$\boxed{1} + \boxed{1} = \boxed{2}$$



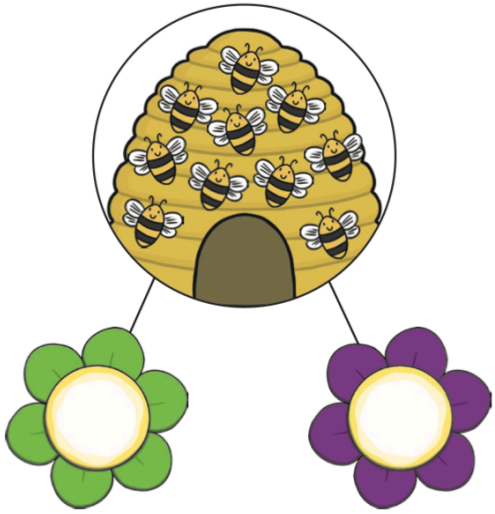
$$\square + \square = \square$$



$$\square + \square = \square$$



$$\square + \square = \square$$



$$\square + \square = \square$$

Tuesday - Ordering

Can you complete the questions below by ordering numbers within 50, and comparing them? Try using a number line to help you. If you haven't got a number line, use the one below.

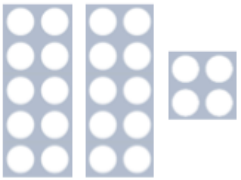

Make it different: You could use your toys at home and order them from 'greatest' to 'smallest'.

Extra Challenge: Try the tricky problems on the next page.





1.

1a. Complete the sentences below.

A.  B. 

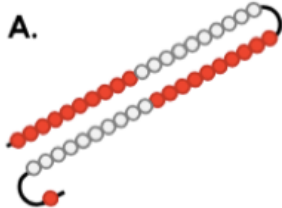
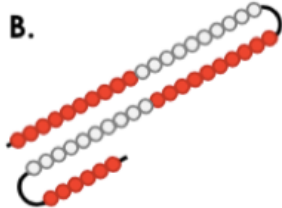
The group with the most is

The group with the least is





2.

1b. Complete the sentences below.

A.  B. 

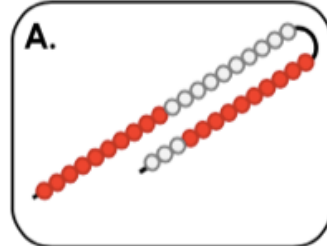
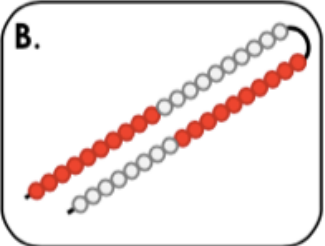
The group with the most is

The group with the least is





3.

2a. Use the groups to complete the statement below.

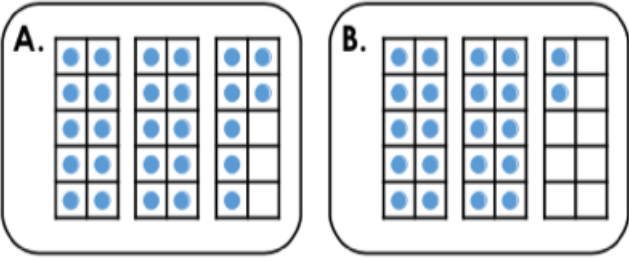
A.  B. 

is less than



4.

2b. Use the groups to complete the statement below.



is more than

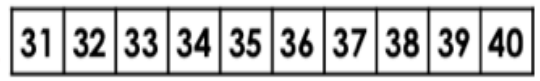


5.

3a. Circle the number to complete the statement.

37 is more than

38 34 39

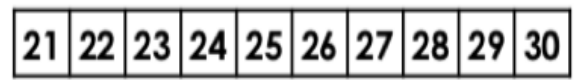


6.

3b. Circle the number to complete the statement.

is less than 25

21 29 27



My 0 to 50 Number Line



Extra Challenge:

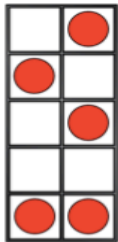
- a. Jack has 6 sunflowers.
Rosie has more sunflowers than Jack.
Amir has more sunflowers than Rosie.

Who has the least amount of sunflowers?

- c. Jack says,



I have ordered the numbers from smallest to greatest.



Do you agree with Jack?
Explain your reasoning.

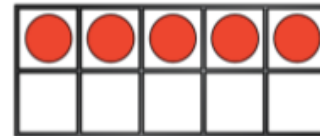
- b. Order the number cards from smallest to greatest.



- _____ is the greatest number.
- _____ is the smallest number.
- _____ is greater than _____
- _____ is smaller than _____

- d. Draw counters on the ten frames so that they are ordered from greatest to smallest.
How many ways can you find?

Greatest



Smallest

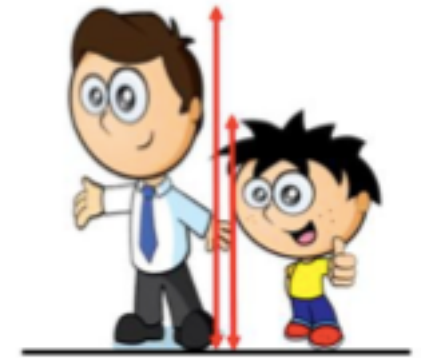


Wednesday - Length and Height

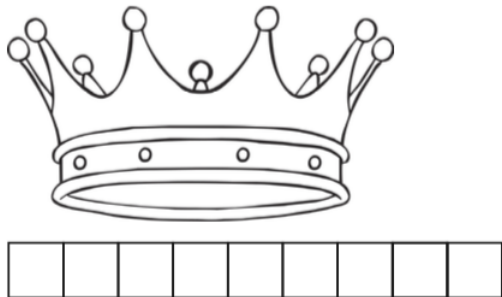
There are lots of things that are hidden within the Magical Kingdom. Can you measure the length and height of them by counting the number of squares? Can you find what is tallest, longest and shortest?

Make it different: Try and find different objects in your house or garden and compare their height and length. For example, a pencil, a stick and a paper clip. Which one is longest and which one is the shortest? Or compare your height against your grown-ups. Who is the tallest and who is the shortest?

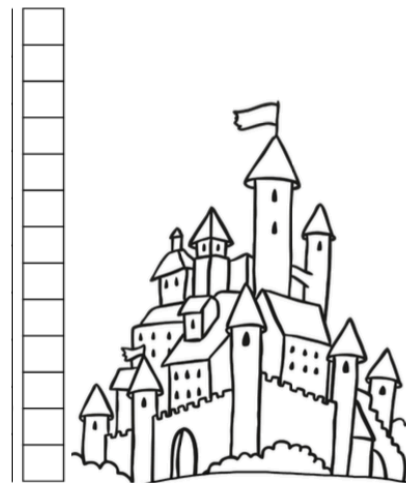
Extra Challenge: Try completing the tricky challenge cards for measuring length and height on the next page.



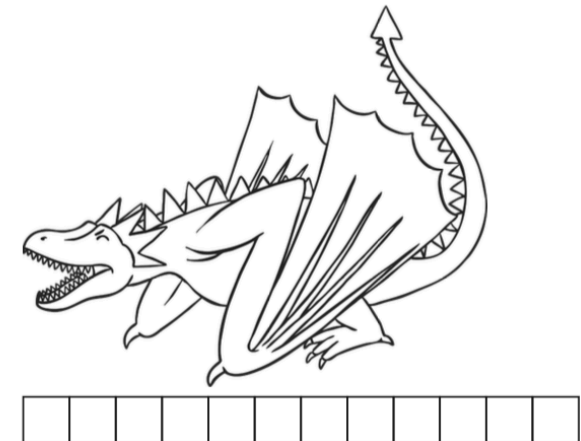
Once upon a measure



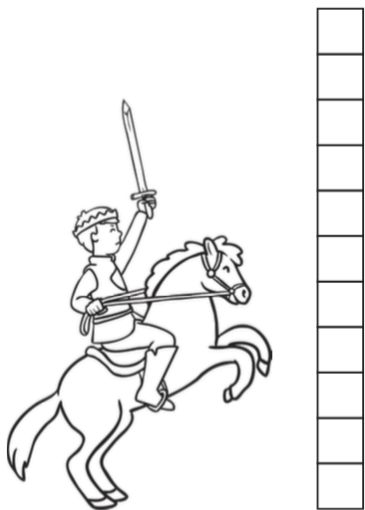
The crown is _____ squares long.



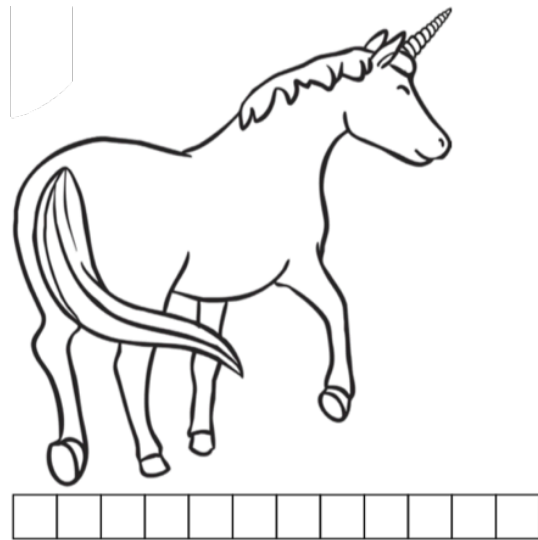
The palace is _____ squares tall.



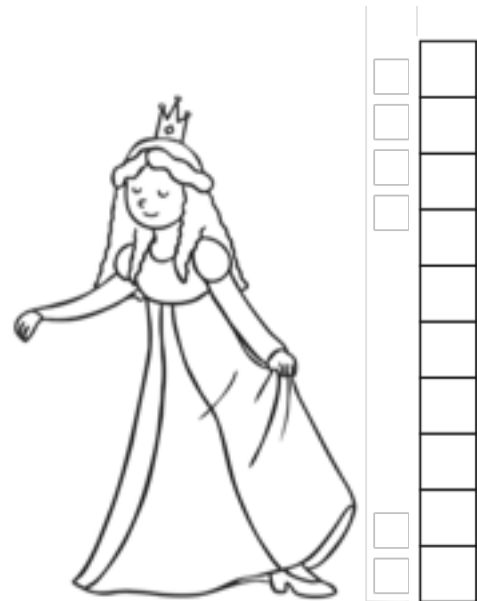
The dragon is _____ squares long.



The prince is _____ squares tall.



The unicorn is _____ squares long.



The princess is _____ squares tall.

Height:

The tallest is _____

The shortest is _____

Length:

The longest is _____

The shortest is _____

Extra Challenge

Measuring Length

Can you find 5 objects (e.g. toy cars) and order them according to size?



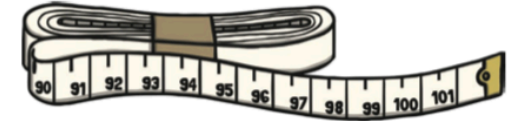
Measuring Length

How long is a stick of spaghetti? Is it the same length after it has been cooked?



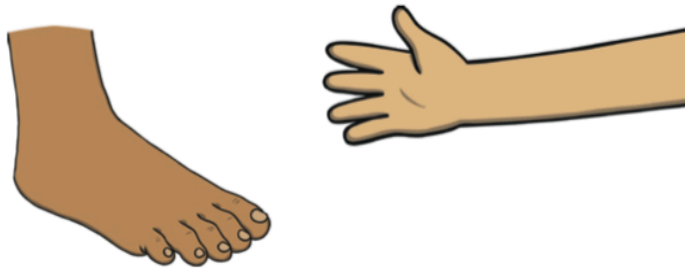
Measuring Length

Measure how tall you are and mark your height with masking tape on the floor. Place objects side by side next to your height. Can you find a combination of objects that measures the same length as your height?



Measuring Length

Measure the length of your foot. Then measure the distance between your wrist and your elbow. Compare the two distances.



Measuring Length

Measure your height. Then, with someone's help, measure the distance from fingertip to fingertip when you stretch your arms wide. Compare the distances - do you notice anything?



Measuring Length

What is the longest pencil line you can draw on a piece of paper?



Thursday - Shape

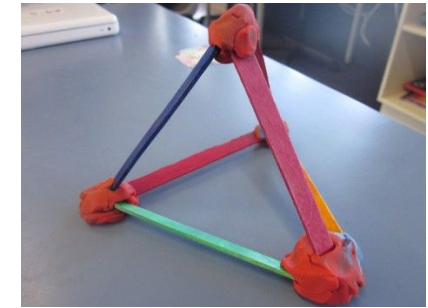
Look at the 3D shapes below.

Try and make each shape using different materials, such as:

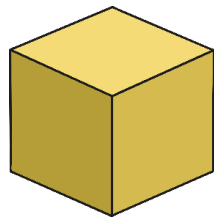
- Playdough (this can be made at home using flour, salt, water and oil)
- Sticks from your garden
- Straws and blue-tac/Sellotape
- Lollypop sticks and blue tac/Sellotape
- Drawing them on paper with a pencil

Can you name the shape you have made?

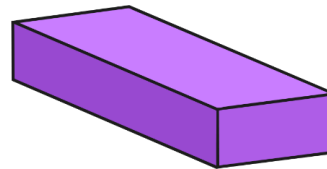
Have a go at playing a game with your grown-up. Make a 3D shape and see if your grown-up can guess what shape you have created, then swap roles and see if **you** can guess what shape your grown-up has created.



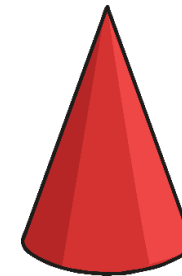
Meet the 3D Shapes



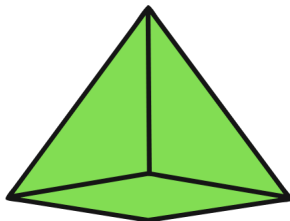
Cube



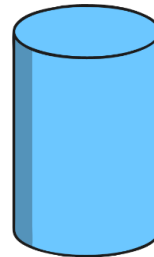
Cuboid



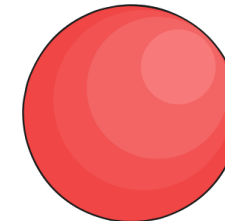
Cone



Pyramid



Cylinder


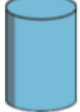


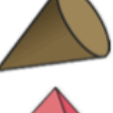



Sphere

Make it different: Go on a hunt and see how many of the 3D shapes you can see in objects around your house. Make a list of your objects and see if you can compare the different shapes. For example, some may have pointy edges, but others may not. You can also listen to the shape song in the link below, to help you remember their names: <https://www.youtube.com/watch?v=2cg-Uc556Q&list=PLlaXSL5tFvIBK2vg5MRHWqap0lX1xafo8>

Extra Challenge: Try matching the shape to its name, and guess the shape using your hands, or you can build a tower using the different shapes you made or found.

Match the shapes to their names.

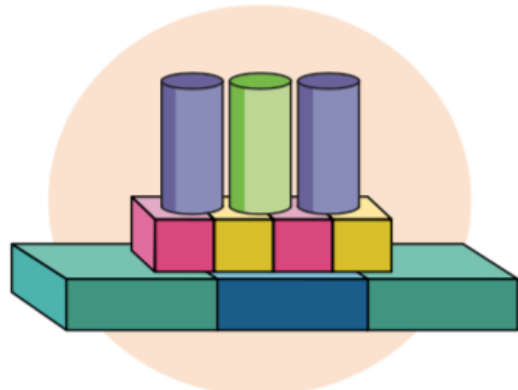
	<input type="text" value="cone"/>
	<input type="text" value="cuboid"/>
	<input type="text" value="pyramid"/>
	<input type="text" value="sphere"/>
	<input type="text" value="cylinder"/>
	<input type="text" value="cube"/>

Place a 3D shape behind your partner's back, so they can't see the shape. Ask them to feel the shape and guess what shape it is without looking.

Or

Be an architect and design your own tower with 3 layers. Describe your tower to your partner for them to build.

For example, you could say:
On the bottom layer, there are 3 cuboids.
On the next layer up, there are 4 cubes.
On the third layer, there are 3 cylinders.



Then swap roles so that you are the builder and your partner is the architect. How many different towers can you build?

Friday - Word Problems

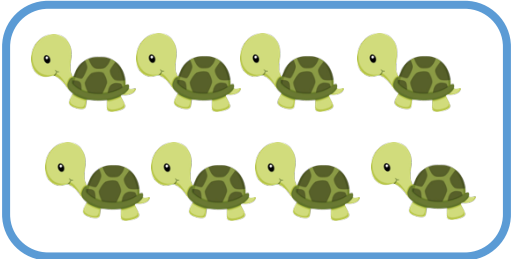
Try completing these sequenced sentences, using your knowledge on addition and subtraction to 20.

Make it different: See if you can create your own sequenced sentence problem using addition and subtraction, by drawing your own picture. For example, flowers in a garden.

Extra Challenge: Can you draw the picture to match the sentence and fill in the missing gaps.

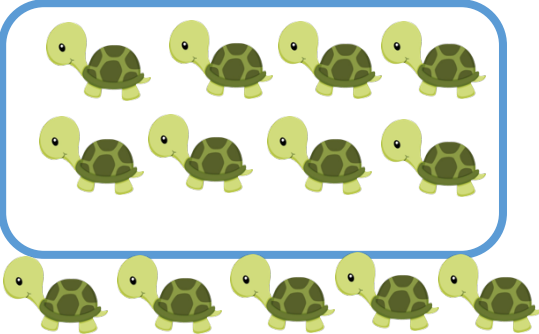
Example:

First



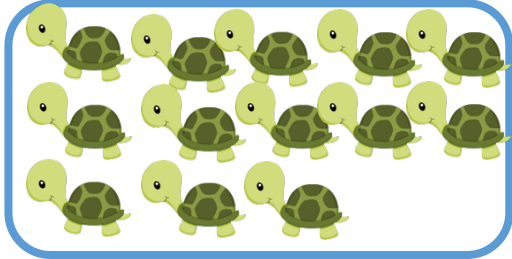
First there were 8 turtles.

Then



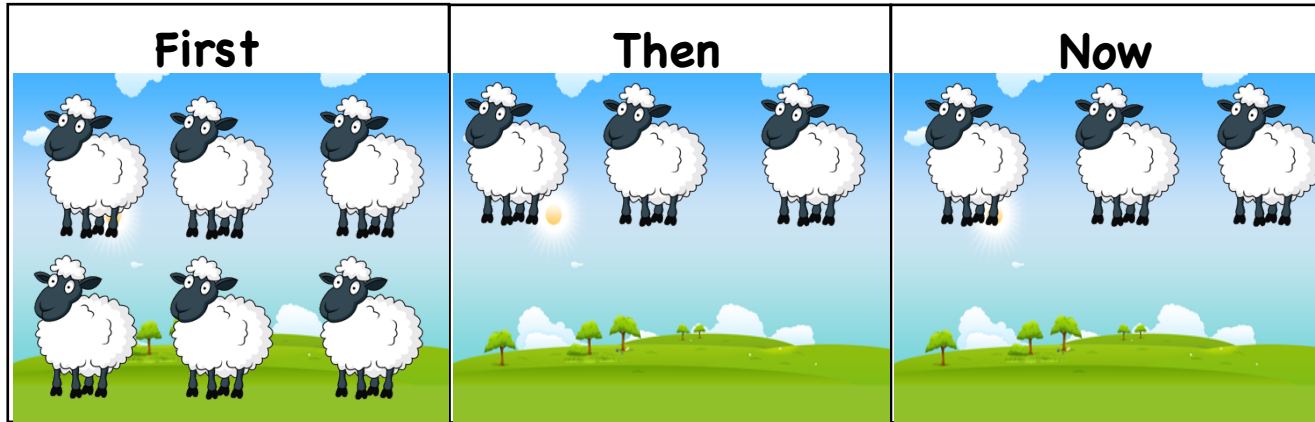
Then 5 more turtles joined the group.

Now

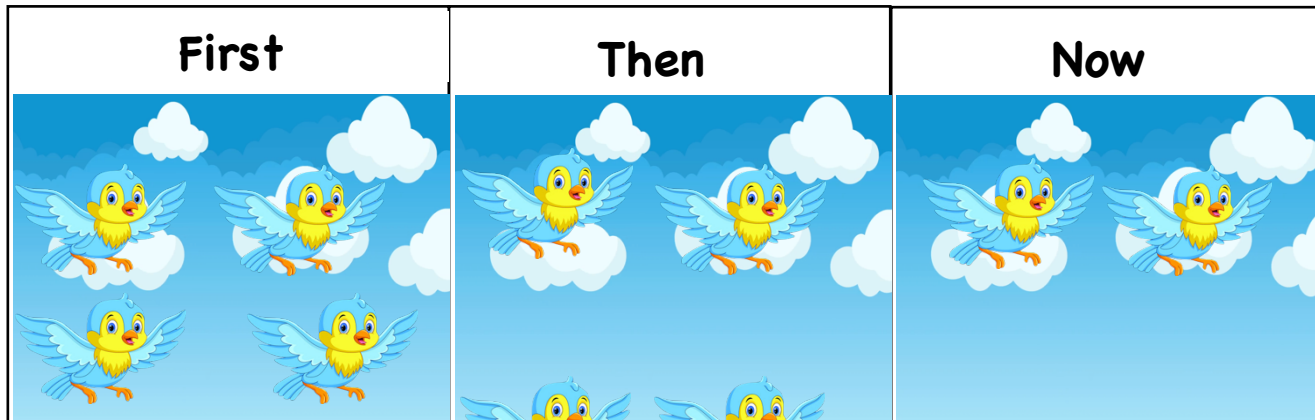


Now there are 13 turtles.

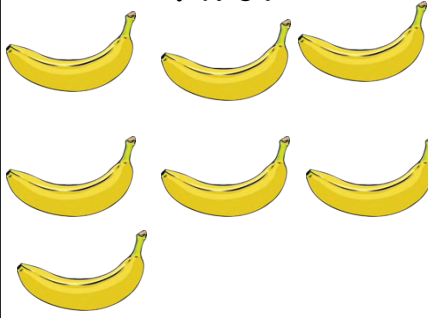
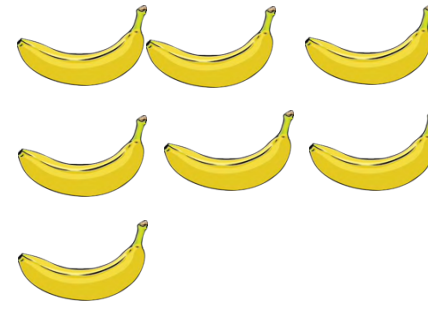
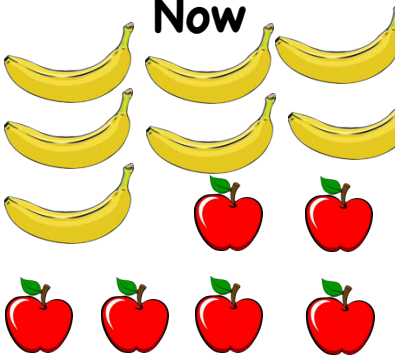
1.

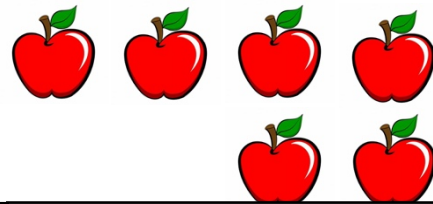


2.




3.

First	Then	Now
		



4.

First	Then	Now
		



Extra Challenge:

a)

First	Then	Now

First , there were 10 spots.	Then , 7 stripes were added.	Now , there are 17 spots and stripes altogether.
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b)

First	Then	Now

First , there were 12 squares.	Then , 3 squares were taken away.	Now , there are _____ squares.
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c)

First	Then	Now
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First, there were 6 socks	Then, _____ more were added.	Now, there are 9 socks.
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