

# Scaling

1 Aisha has some fruit.



Complete the sentences to describe the fruit.

There are  apples.

There are  strawberries.

There are  times as many strawberries as apples.

2 Huan is comparing 2 pieces of ribbon.



Complete the sentences to describe the ribbon.

The spotty ribbon measures

The plain ribbon measures

The plain ribbon is  times as long as the spotty ribbon.

## Monday

3 Match the bar models to the statements.

Write the missing statement.



There are 4 times as many boys as girls.



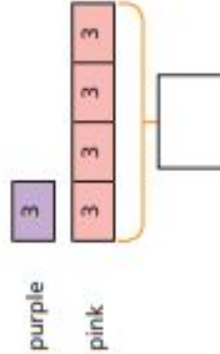
There are 3 times as many boys as girls.



4 There are 3 purple balloons.

There are 4 times as many pink balloons.

Complete the bar model to show how many pink balloons there are.



## Tuesday

lit focus: Women Of The Skies  
st focus: Biography (740L)

STAGE



# Amelia Earhart

Amelia Earhart was born in Kansas on July 24th, 1897. By the time of her mysterious death, she would be famous around the world. Earhart changed the world of aviation completely during her lifetime.

Amelia was determined to do things her way from the beginning. Girls were expected to behave in certain ways back then. Earhart had other ideas. She played basketball, attended college and completed a course on car mechanics. During World War 1, she headed to Canada and became a Red Cross nurse. It was during this period that she spent time watching pilots at the local airfield. Her lifelong interest in the skies was born.

Earhart didn't take her first flight until 1920. She took to the skies above California with the famous World War 1 pilot, Frank Hawks. Amelia started taking flying lessons in 1921. Her instructor was another female pilot named Neta Snook. Earhart purchased her own plane later that year. It was bright yellow. She nicknamed it "The Canary". She passed her flight test at the end of the year and participated in her first flight exhibition a few days later.

Throughout her life, Amelia Earhart had done things her own way. She was a great advocate for equality and fought for women to be treated the same as men. She said, "Women must try to do things as men have tried. When they fail, their failure must be but a challenge to others." She set about proving that women were as capable as men almost immediately.

In 1922, Earhart broke her first record. She became the first woman to fly a plane above 14,000 feet. Ten years later, she became the first woman to fly solo across the Atlantic Ocean. She was only the second person ever to complete this task. The US government awarded her the Distinguished Flying Cross for her achievement. She was the first woman to receive the honour.



That wasn't the end of Earhart's flying prowess. Later that year, she became the first female to complete a solo, non-stop flight across the United States. The journey took her 19 hours. In 1935, she became the first woman to fly solo from Hawaii to the United States mainland.

Throughout her career, Earhart fought for the rights of female pilots. She founded the international organisation for female pilots called the Ninety-Nines in 1929. She also became the first president of the organisation of licensed pilots.

Disaster struck in 1937. Earhart was determined to become the first person ever to fly around the world. She was joined on the flight by Fred Noonan. Everything went well for a while. They touched down in New Guinea on June 29th. They had flown 22,000 miles and had 7,000 more to go to make history. The pair left on July 2nd and were never seen again. Amelia Earhart wasn't quite 40 years old.

The president of the United States ordered a two-week search of the ocean. Nothing was found. Eventually, both pilots were declared lost at sea. There are many theories as to what happened. However, the fate of one of the most famous pilots in history remains a mystery.

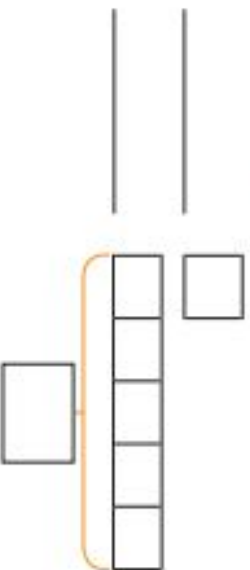
leaf skeleton lace butterfly wing spider's leg eyeball  
fishing line bubble snowflake dried seaweed cat's tail  
snake skin cloud rainbow electricity elastic band

Delicate things	Strong things

- 5 The red rope is 8 m long.

The blue rope is 5 times as long.

a) Label and complete the bar model.



b) How long is the blue rope?

The blue rope is  m long.

- 6 Ron has 5 bananas.

Esther has 6 times as many bananas as Ron.

Draw a bar model to work out how many bananas Esther has got.

Esther has got  bananas.

- 7 Complete the sentences.

45 is  times greater than 5

$\times 5 = 45$

5 is  times smaller than 45

$45 \div 5 =$

- 8 The children are weighing out flour.



Use the clues to work out which child used which scales.

- Eva has twice as much as Alex.
- Dexter has 9 times as much as Alex.
- Annie has 3 times as much as Eva.
- Tommy has twice as much as Eva and 4 times as much as Alex.

	Alex	Eva	Dexter	Annie	Tommy
Scales					



## Wednesday

Everyone has heard of the simile *as quiet as a mouse* . In this activity, you have to create new endings so that instead of *as quiet as a mouse* , you think of something else really quiet, for example, *as quiet as a thief's whisper in a library* . Can you make up new similes by completing the following:

as loud as  
as red as  
as large as  
as small as

as tall as  
as blue as  
as soft as  
as tough as



My crazy cat has  
eyes like red buses,  
ears like police cars,  
a tail like a computer mouse,  
paws like telegraph poles,  
claws like crisp packets  
and teeth like rotten bananas.

work, for example:

My cat has  
eyes like emeralds,  
ears like velvet corners,  
a tail like a furry cable,  
paws like small cushions,  
claws like fishing hooks  
and teeth like a necklace of white needles.

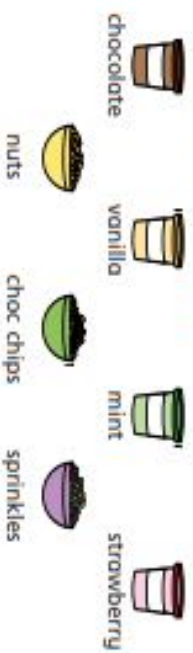
Now try writing exactly the same poem but use similes that seem to

## How many ways?



1 Dora is making ice creams.

She has 4 flavours and 3 toppings.



Dora chooses a flavour and a topping.

a) Complete the table to show the different combinations she could make.

Ice cream flavour	Topping
chocolate	nuts
chocolate	choc chips
chocolate	sprinkles

b) How did you work out the different combinations?

How do you know you have found them all?



2 There are 5 pairs of mittens and 2 scarfs.



Amir chooses a pair of mittens and a scarf.

a) List all the possible different combinations.

Mittens	Scarfs

b) How many different combinations of mittens and scarfs are there?

c) Are you sure you have found them all?  
Compare with a partner.

d) What multiplication works out the number of combinations?

 ×  =

- 3 Whitney buys a snack and a drink.



chocolate



muffin



cookie



apple



juice



pop



milk



water

She says there are 8 combinations she could choose.

Do you agree? \_\_\_\_\_

Show how you know.

- 4 Teddy has 5 pairs of trousers.

He also has 4 shirts.

Each day he wears a shirt and a pair of trousers.

- a) How many possible combinations does he have?

$$\square \times \square = \square$$

- b) Teddy buys 2 more pairs of trousers.

How many possible combinations does he have now?

$$\square \times \square = \square$$



- 5 Jack and Alex are choosing food from a menu.

Starter	Main	Dessert
Soup	Burger	Ice cream
Cheese	Pizza	Brownie
Bread	Roast chicken	Fruit salad
	Egg and chips	
	Salad	
	Pie	

Jack chooses a starter and a main.

How many different combinations are there?

Alex chooses a starter, main and dessert.

How many different combinations are there?

- 6 Rosie is making a birthday card.

She uses a sheet of coloured card and sticks a shape on it.

She has 5 different shapes she can choose from.

She can make 40 different birthday cards in total.

How many different sheets of card does Rosie have?

# Lesson 3 – Advanced Mode and Coordinates

## Aim

- To introduce the Advanced mode of 2Calculate.
- To learn about describing cells using their coordinates.

## Success criteria

- Children can describe a cell location in a spreadsheet using the notation of a letter for the column followed by a number for the row.
- Children can find specified locations in a spreadsheet.

## Resources

Unless otherwise stated, all resources can be found on the [main unit 3.3 page](#). From here, click on the icon to set a resource as a 2do for your class. Use the links below to preview the resources; right-click on the link and 'open in new tab' so you don't lose this page.

- [Advanced Mode example 1](#).
- [Advanced Mode example 2](#): you will need to save this as a 2Do for your class.
- [Advanced Mode example 3](#). Set this as a 2Do for the class.

## Activities

1. Show children how to switch to the Advanced mode of 2Calculate by clicking on the mode switch button at the top of the screen:



2. Notice that in Advanced mode, the rows are numbered, and the columns have letters to label them.
3. Spend a few minutes asking children to tell you which cell you have clicked on, clicking on a different cell each time.
4. Open the first example spreadsheet. On this sheet, the key to the right-hand side shows which cells should be which colour. As a class, colour the cells; you should end up with a picture of a tree.

Need more support? Contact us:

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## Thursday

### **You Are**

You are a soft sofa and comforting cushions.  
You are a wolfhound panting after a run.  
You are a cat stretching his curious claws.  
You are a red bus slowing to a full stop.  
You are an ancient oak tree, gnarled and misshapen.  
You are an ice cream cone with two flakes at different angles.  
You are clouds of sheep on a hillside.  
You are sunlight sleeping on a windowsill.  
You are the Tardis travelling to an unexpected destination.  
You are the squeak of a hinge that needs oiling.  
You are the moment after a sigh.  
You are the worker bee hovering outside the hive.  
You are the gurgle gurgling in a drain.  
You are the scratching of fingernails on wood.  
You are anger spun into a knot.  
You are the sadness of 'never again'.  
You are the nettle sting of a lasting lie.  
You are the smell of chips and vinegar on a frosty night.

## Count money – pence

1 Match the coin to its value.



20p



2p



50p



1p



10p



5p

2 How much money is there?












3 How much money is there?







## Count money – pounds

1 Match the coin or note to its value.



£5



£1



£50



£20



£10



£2

2 How much money is there?












3 How much money is there?








Friday

4 Complete the bar models.

(9)

£					
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(b)

    	<p><b>F</b></p>
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(c)[illegible]

5 Write  $<$ ,  $>$  or  $=$  to compare the money.

(b)

(b)

(c)

(d)

6 Dora has this money.

Ron has this money.

I have more money because I have notes.

Is Ron correct? \_\_\_\_\_

How do you know?

7 Mo has this money.



I have £25

Do you agree with Mo?

**Talk about it with a partner.**













## Blackpool Gateway Academy Feel Good Friday!



Every Friday afternoon starting at 12pm, it will be Feel Good Friday!

We want to encourage 'screen free' time so using this menu of activities choose what you would like to do with your family! Each activity is worth **5 dojo points** if you send a picture to your class teacher!

We would love you to send in photos of you completing your activities via your class Dojo.

 <p>Make someone laugh by telling them some jokes. Can you make up your own jokes to share with your class next week?</p>	 <p>Go for a walk in your local area with your family. You could go to the beach or the local park.</p>	 <p>Do some baking! Bake a cake or biscuits and enjoy them with a film afterwards!</p>
 <p>Design and create a board game and play it with your family.</p>	 <p>Record yourself reading your book for one minute and send it to your teacher.</p>	 <p>Write a letter to someone you haven't seen for a while to cheer them up.</p>
 <p>Help someone in your house with the housework le: make your bed, dry the dishes, tidy your room.</p>	 <p>Do some yoga with your family.</p>	 <p>Practise a skill for example:</p> <ul style="list-style-type: none"> <li>• Throwing</li> <li>• Catching</li> <li>• Hula hooping</li> <li>• Jumping</li> </ul>
 <p>Create a quiz, based on something you have learnt this week. Share it with your teacher to use next week!</p>	 <p>Make an obstacle course in your house or garden.</p>	 <p>Play the A-Z game. Can you think of something beginning with each letter for animals, countries, or things you are thankful for!</p>