

St Denys Primary School



Year 3 and Year 4

Home Learning

**Week beginning:
8th June 2020**

**Creativity, Choice, Challenge
Achievement for All**

Year 3 and Year 4 - Home Learning

Whilst we are not expecting you to replicate school at home, it will be important that you all try to do some work each school day to keep your skills up.

And don't forget to stay active!



As you will already know, schools are not yet open for all children.

In this booklet you will find a range of different activities and tasks that you can choose to complete during the week.


All the answers are in the back of your booklet so you can check your own answers – just like you would in the classroom!

There is also a separate booklet for each class that will contain your new spelling words and your daily Times Table Rockstar challenge. These can be collected from the school office or downloaded online.

Each morning your teacher will still be saying 'Hello' on Class Dojo. You'll also be able to ask any questions or just them about what you have been up to! As your teachers will be in school, remember they might not be able to respond straight away. You will still be able to post things to your Class Dojo portfolio but it might not always be your teacher who approves and leaves comments for you.




Class 3, if you want to try some online lessons, check out BBC Bitesize.

Year 3/ P4 online lessons					Bitesize				
Monday 8 June - Friday 12 June					Daily Lessons				
Monday		Tuesday		Wednesday		Thursday		Friday	
English		English		English		English		English	
Mastering inverted commas		Investigating dictionaries		Exploring synonyms and antonyms		Using a thesaurus		Reading lesson: Kensuke's Kingdom by Michael Morpurgo	
Maths		Maths		Maths		Maths		Maths	
Drawing and discovering equivalent fractions		Simplifying equivalent fractions		Equivalent fractions		Comparing two fractions		Maths in football	
History		Geography		Science		Spanish		Art and Design	
How did the Romans conquer Britain and did they conquer Scotland?		Biomes		Renewable and non-renewable energy		Counting, family and friends		Sculpture and printmaking	
Find all this content and more at: bbc.co.uk/bitesize/dailylessons									

Lessons are available daily. Here is the schedule for this week.

Class 4, if you want to try some online lessons, check out BBC Bitesize.

Year 4/ P5 online lessons Monday 8 June- Friday 12 June				 Bitesize Daily Lessons	
Monday	Tuesday	Wednesday	Thursday	Friday	
English Mastering inverted commas	English Investigating dictionaries	English Exploring synonyms and antonyms	English Using a thesaurus	English Reading lesson: Kensuke's Kingdom by Michael Morpurgo	
Maths Tenths	Maths Divide one and two digit numbers by 10	Maths Hundredths	Maths Divide one and two digit number by 100	Maths Maths in football	
History How did the Romans conquer Britain and did they conquer Scotland?	Geography Biomes	Science Renewable and non-renewable energy	Spanish Counting, family and friends	Art and Design Exciting paintings - reviewing classic paintings	
Find all this content and more at: bbc.co.uk/bitesize/dailylessons					

Lessons are available daily. Here is the schedule for this week.

Year 3 and Year 4 Spelling Words

accident(ally)
actual(ly)
address
answer
appear
arrive
believe
bicycle
breath
breathe
build
busy/business
calendar
caught
centre
century
certain
circle
complete
consider

continue
decide
describe
different
difficult
disappear
early
earth
eight/eighth
enough
exercise
experience
experiment
extreme
famous
favourite
February
forward(s)
fruit
grammar

group
guard
guide
heard
heart
height
history
imagine
increase
important
interest
island
knowledge
learn
length
library
material
medicine
mention
minute

natural
naughty
notice
occasion(ally)
often
opposite
ordinary
particular
peculiar
perhaps
popular
position
possess(ion)
possible
potatoes
pressure
probably
promise
purpose
quarter

question
recent
regular
reign
remember
sentence
separate
special
straight
strange
strength
suppose
surprise
therefore
though/although
thought
through
various
weight
woman/women

How many of these spelling words can you read and write?

Can you use any of these words in your own sentences?

Weekly Writing Challenge

This week, you are going to plan and write a short story. The idea for your story is '**The Mysterious Box**'.

- You could write a story about a giving a mysterious box to a friend, receiving a mysterious box as a present or finding a strange box somewhere.

Think about the following:

- Who are the characters in your story?
- What is inside the box?
- What happens when the box is opened?
- How will your story end?



Remember to:

- Plan your story with a beginning, middle and end. How are you going to hook the reader at the start? Create a storyboard to tell your story.
- Organise your ideas into paragraphs.
- Choose your words carefully to entertain the reader.
- Write in sentences. Try to think of really good descriptive words to use.
- Pay attention to your spelling and punctuation.
- Read, check and edit your work carefully.
- Decide how you are going to publish your story: writing it out, typing it, making a book?

The Mysterious Box



















Handwriting practice area with 10 sets of three horizontal lines (top, middle, bottom) for letter formation.



Handwriting practice area with 10 sets of three horizontal lines (top, middle, bottom) for letter formation.



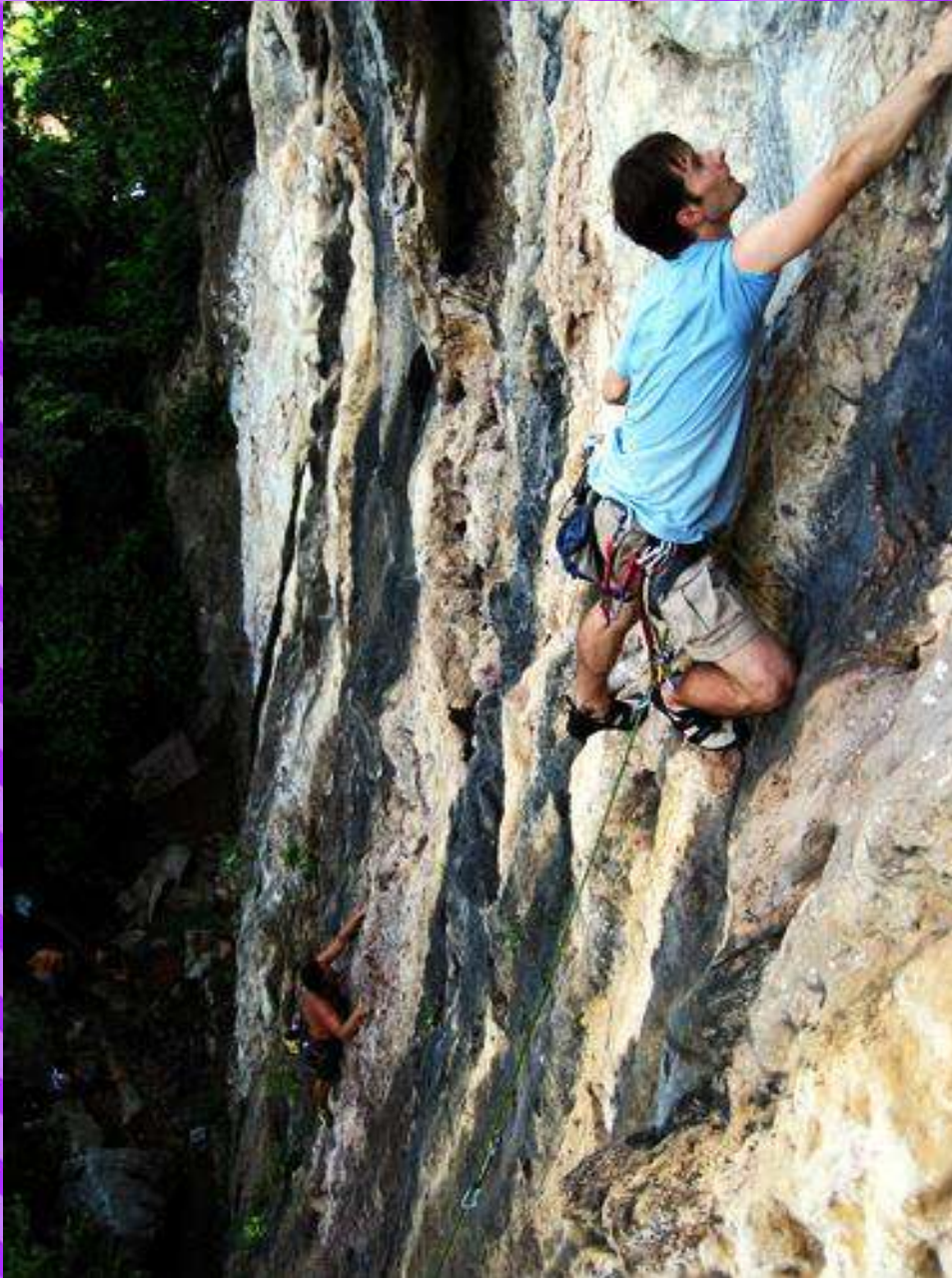
Describe a Setting

Write 5 sentences about:

1. What you can feel under your feet
2. What you can see
3. What you can hear
4. What the weather is like
5. Your footprints

Challenge:

Imagine the penguin comes to life. Describe the moment when it realises it can move. Describe it moving gently and carefully at first. Describe what it decides to do.



Predict what Happens Next...

Mike and his friend Joe are experienced rock climbers enjoying what they do best. However as the sky begins to cloud over quickly, spots of rain fall.

What happens next?

- What dangers are there around Mike?
- What problem could happen to Mike?
- How could it be fixed?
- How do Mike and Joey finish the story?



Understand a Character's Point of View

This girl looks worried or scared.

1) Explain how we know this.

We know that this girl is worried because...

2) Ask her three questions.

What...? How...? Why...?

Challenge:

Ask an 'if' question.



Asking Questions

What kinds of questions can we ask about this photograph?

Use words like 'what' 'how' 'when' 'why' 'where' to help you.

Challenge: Ask a 'What if...?' question.

Imagine a Setting

This is a scene from 'Alice in Wonderland'.
The surroundings seem so big, making Alice appear even smaller.



Imagine you were trapped in your school after you had been shrunk.
Describe your journey from the door across the classroom.
What dangers would you have to be careful of as a tiny person?

Challenge: What other words could you use instead of **big** and **small**?

Doorstep Wildlife

Even if you live in a busy town or city, wildlife will be all around you, you just have to look to find it! If you search hard enough, you will probably find signs of **urban** creatures in your street, on your school playing field, through your window, at the park or in any busy, built-up space. Let's take a closer look at just some of the animals and birds that manage to survive in our towns and cities...

Foxes

There are around 33,000 foxes living in urban areas in the UK. They are mammals, about the size of a small dog, with red fur and bushy tails. They are the most common wild **carnivore** found in our towns and cities mainly because they eat almost anything, including:

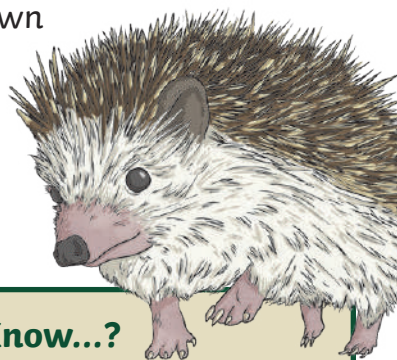
- food from dustbins, bird tables and compost heaps;
- wild mammals;
- birds;
- earthworms;
- beetles;
- fruit.

Foxes are mostly **nocturnal** animals but they are often seen in urban areas during the day. Sadly, many foxes are killed each year on busy roads.



Hedgehogs

Hedgehogs can be found in almost all urban areas of the UK, except some areas of Scotland. The spiky mammals live in nests under hedges, where lots of insects and other **invertebrates** can be found. The hedgehog is often called the 'gardener's friend' as it loves eating small creatures, such as caterpillars, slugs and snails, which can often damage garden plants. Hedgehogs have sharp quills on their back. When they feel threatened, they contract two large muscles in their back. This causes these quills to straighten out. At the same time, the hedgehog also curls up into a ball, tucking its face and legs into its belly. This protects it from potential danger. Sadly, the number of hedgehogs has gone down a lot in the last 60 years. It is thought that there are just one million hedgehogs left in the UK.



Did You Know...?

You should never feed hedgehogs milk as it can cause them to become very sick. Instead, try and give them fresh water in a shallow bowl along with tinned dog or cat food.

Pigeons

Pigeons are stout-bodied birds of the Columbidae family and are likely to be one of the most common birds within the UK. They have a cooing call, which is a very familiar sound within most busy cities and town centres. They often eat food from pavements and litter bins, as well as eating insects, seeds and food from bird feeders in urban gardens. Pigeons are often called **vermin** because many people believe that:

- they spread illness;
- they damage houses and buildings;
- their droppings (poo) are not nice to look at.



Some cities have even tried to lower the number of pigeons by destroying nesting sites, removing pigeon eggs from nests and emptying litter bins more often.

Glossary

carnivore	An animal that eats other creatures.
invertebrate	An animal without a backbone.
nocturnal	A creature that is active at night (and may sleep during daylight hours).
urban	A word to describe something that manages to survive in a busy place like a city or town.
vermin	An animal that causes harm or damage or is difficult to control.

How Can We Help Urban Wildlife to Survive?

Over the last 30 years, the number of some urban animals has fallen because:

- there are fewer gardens, parks and fields where they can live and find food;
- patches of grass and gardens are now not connected so they find it difficult and dangerous to move around.

If you have any outdoor space or a garden, you could try to help urban animals by:

- making and hanging a simple bird feeder;
- making holes in fences;
- planting flowers and plants.

Questions

1. Which animal is the most common wild carnivore found in our towns and cities? Tick one.

- ☐ hedgehog
☐ pigeon
☐ fox
☐ badger

2. Draw **three** lines to match the urban animal to the correct fact.

hedgehogs	sometimes eat from pavements and litter bins
pigeons	are about the size of a small dog
foxes	live in nests under hedges

3. Find **three** things that pigeons might eat.

- _____
- _____
- _____

4. Find and copy a word from the **Foxes** section of the text that means **to eat meat**.

5. Fill in the missing words in this sentence.

Pigeons have a _____ call, which is a very familiar sound within most busy _____ and town centres..

6. How would making holes in fences help urban wildlife?

7. Why are hedgehogs called the '**gardener's friend**'?

8. Who do you think the author has written the text for?

Name:

Date:

Maths Assessment Year 3: Addition and Subtraction

1. Add and subtract numbers mentally.

a) <input type="text"/>	b) <input type="text"/>	c) <input type="text"/>
d) <input type="text"/>	e) <input type="text"/>	f) <input type="text"/>

6 marks

2. Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.

Using a formal written method, find the answers:

a) $637 + 25 =$ <input type="text"/>	b) $758 - 61 =$ <input type="text"/>	c) $372 + 483 =$ <input type="text"/>
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3 marks

3. Estimate the answer to a calculation and use inverse operations to check answers.

a) Write down the calculation you would do to estimate the answer:

$285 + 113 =$	<input type="text"/>
$852 - 306 =$	<input type="text"/>

2 marks

b) Is this calculation correct? Show how you would check it using the inverse.

	<input type="text"/>
---	----------------------

1 mark

Total for this page

4. Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

a) Write in the missing numbers:

$$\boxed{} + 73 = 100$$

$$120 - \boxed{} = 49$$

$$\boxed{} - 70 = 345$$

$$138 + \boxed{} = 650$$

Solve these problems:

- b) Robert's mum doubled his pocket money because he did lots of extra jobs for her. He usually gets £2.50 a week, how much did he get this week?

£

- c) Kate's dad baked 48 cupcakes for her birthday party. 36 children ate one each. How many are left?

- d) There were 52 people on the bus and 28 got off at the cinema. How many people were left on the bus?

- e) Imran and his friends stopped at the shop on the way home from school and decided to put their money together to buy some chocolate. Imran had £1.20, Farhan had 45p and Daniyal had 60p. How much did they have to spend?

£

4 marks

1 mark

1 mark

1 mark

1 mark

Total for
this page

Date:

1. Add numbers up to 4 digits, using formal written methods of columnar addition and subtraction.

a) Add the following, using a column method; set your addition and answer in the box below:

[illegible]

b) Subtract the following, using a column method; set your subtraction and answer in the box below:

[illegible]

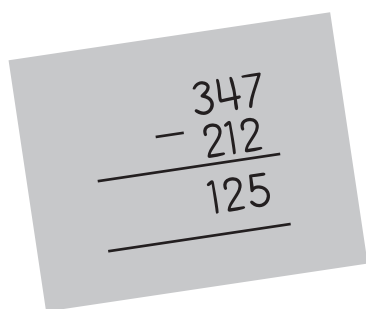
2. Estimate the answer to a calculation and use inverse operations to check answers.

a) Write down the calculation you would do to estimate the answer:

My estimate

 $462 + 985 =$
$$4789 - 2221 =$$

b) Is this calculation correct? Show how you would check it using the **inverse**.


$$\begin{array}{r} 347 \\ - 212 \\ \hline 125 \end{array}$$

1 mark

3. Solve addition and subtraction two step problems in context, decide which operations and methods to use and why.

Solve these problems and show your working out. Even if you get the wrong answer, you may get a mark for your working out.

A theatre holds 2200 people. Across the week these were the tickets sold:

Tuesday	1345
Wednesday	1022
Thursday	1244
Friday	1990
Saturday	2110

a) How many tickets altogether were sold on Thursday, Friday and Saturday? Show your working in the box below.

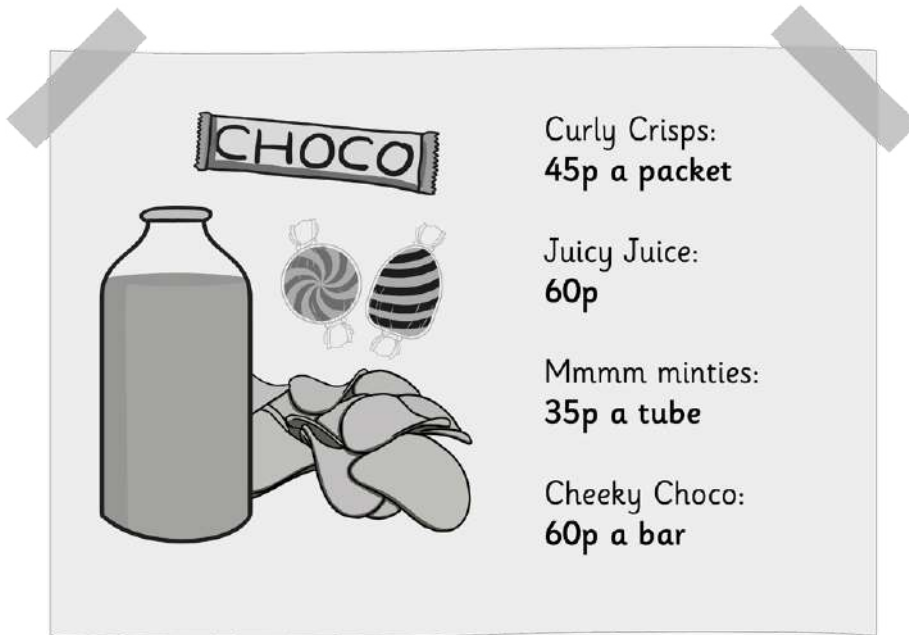
2 marks

b) How many unsold tickets were there on Tuesday and Wednesday? Show your working in the box below.

2 marks

Total for this page

These are the prices at Will's Corner Store:



Curly Crisps:	45p a packet
Juicy Juice:	60p
Mmmm minties:	35p a tube
Cheeky Choco:	60p a bar

- c) Adam goes to Will's corner store. He buys: 3 bottles of juice, 1 cheeky choco bar, 2 packets of curly crisps and 3 tubes of Mmmm minties. He gives the shopkeeper £5. How much change does he receive?



2 marks



Total for
this page

Emoji Addition to 20 Mosaic

Solve the maths problems to reveal the hidden picture. Each answer has a special colour:

20, 12, 16, 19, 8 = white

18, 15, 11, 13, 9, 7, 3 = yellow

17 = black

10, 14, 5 = red

$2+18$	$6+6$	$10+8$	$0+9$	$11+7$	$1+2$	$5+2$	$18+2$	$16+4$
$19+1$	$0+3$	$1+8$	$3+0$	$9+9$	$4+5$	$1+6$	$13+5$	$5+7$
$5+4$	$19+1$	$10+6$	$7+5$	$15+3$	$10+2$	$10+10$	$7+5$	$8+10$
$6+5$	$5+7$	$3+14$	$18+2$	$4+7$	$19+1$	$9+8$	$4+12$	$9+2$
$6+12$	$9+7$	$2+18$	$6+6$	$7+11$	$6+6$	$5+7$	$5+15$	$18+0$
$5+10$	$2+13$	$8+7$	$15+0$	$7+4$	$14+4$	$7+6$	$4+14$	$2+13$
$4+11$	$3+10$	$3+8$	$9+5$	$4+6$	$2+3$	$8+1$	$11+4$	$8+5$
$2+11$	$8+1$	$6+5$	$2+3$	$0+5$	$11+3$	$1+6$	$7+11$	$4+5$
$8+8$	$8+5$	$4+7$	$9+1$	$10+4$	$5+9$	$2+9$	$9+4$	$7+5$
$10+6$	$0+20$	$4+9$	$2+11$	$9+2$	$5+6$	$10+3$	$11+5$	$4+12$

Emoji Code Breaking

									
5	2	7	3	4	9	6	8	0	1

$$\text{Smiling Face with Smiling Eyes} + \text{Smiling Face with Heart Eyes} + \text{Crying Face} + \text{Mouse} = 97$$

- $$\text{Grinning Face with Big Eyes} + \text{Mouse} + \text{Smiling Face with Heart Eyes} + \text{Frowning Face} =$$
- $$\text{Woman with Pink Hair} + \text{Thinking Face} - \text{Smiling Face with Smiling Eyes} - \text{Crying Face} =$$
- $$\text{Squirrel} + \text{Smiling Face with Heart Eyes} - \text{Blue Face with Sweat Droplets} - \text{Crying Face} =$$
- $$\text{Smiling Face with Heart Eyes} + \text{Smiling Face with Smiling Eyes} + \text{Frowning Face} + \text{Woman with Pink Hair} =$$
- $$\text{Mouse} + \text{Grinning Face with Big Eyes} + \text{Mouse} + \text{Thinking Face} =$$
- $$\text{Blue Face with Sweat Droplets} + \text{Crying Face} - \text{Woman with Pink Hair} - \text{Squirrel} =$$
- $$\text{Smiling Face with Smiling Eyes} + \text{Woman with Pink Hair} + \text{Grinning Face with Big Eyes} + \text{Squirrel} =$$
- $$\text{Crying Face} + \text{Frowning Face} - \text{Smiling Face with Smiling Eyes} - \text{Blue Face with Sweat Droplets} =$$
- $$\text{Smiling Face with Heart Eyes} + \text{Grinning Face with Big Eyes} + \text{Mouse} + \text{Thinking Face} =$$
- $$\text{Squirrel} + \text{Thinking Face} - \text{Blue Face with Sweat Droplets} - \text{Frowning Face} =$$

Emoji Subtraction to 20 Mosaic

Solve the maths problems to reveal the hidden picture. Each answer has a special colour:

4, 11, 16, 2, 9, 13 = white

3, 5, 6, 10, 14, 17 = yellow

1, 12, 15 = black

14-1	10-1	20-6	20-3	18-4	15-1	19-2	20-18	20-11
20-18	13-10	15-10	9-3	20-15	19-5	18-12	3-0	7-5
17-11	4-1	16-2	10-4	19-5	12-6	15-12	20-17	14-0
20-19	19-4	12-0	9-8	17-5	16-15	17-5	20-5	9-8
20-3	16-1	13-1	20-19	19-9	19-4	18-6	15-0	19-5
20-3	7-1	13-3	17-11	15-12	16-13	16-2	15-9	9-3
15-1	18-1	15-1	18-4	14-0	19-5	10-1	13-10	10-4
8-2	17-14	12-2	19-6	20-11	14-1	12-10	8-2	12-6
10-1	20-17	9-6	18-8	11-1	18-15	12-9	20-10	4-2
10-8	19-6	10-7	12-2	14-9	10-0	16-6	12-10	17-15

Emoji Code Breaking

									
5	2	7	3	4	9	6	8	0	1

$$\text{Smiling Face with Smiling Eyes} + \text{Thinking Face} + \text{Smiling Face with Heart Eyes} = 935$$

- $$\text{Grinning Face with Big Eyes} + \text{Smiling Face with Smiling Eyes} + \text{Mouse} + \text{Frowning Face} + \text{Crying Face} + \text{Smiling Face with Heart Eyes} =$$
- $$\text{Woman with Pink Hair} + \text{Smiling Face with Heart Eyes} + \text{Smiling Face with Smiling Eyes} - \text{Mouse} + \text{Thinking Face} + \text{Thinking Face} =$$
- $$\text{Squirrel} + \text{Frowning Face} + \text{Smiling Face with Heart Eyes} - \text{Blue Face with Sweat Droplets} + \text{Smiling Face with Smiling Eyes} + \text{Crying Face} =$$
- $$\text{Smiling Face with Smiling Eyes} + \text{Smiling Face with Heart Eyes} + \text{Squirrel} + \text{Grinning Face with Big Eyes} + \text{Frowning Face} + \text{Woman with Pink Hair} =$$
- $$\text{Mouse} + \text{Woman with Pink Hair} + \text{Grinning Face with Big Eyes} + \text{Squirrel} + \text{Mouse} + \text{Thinking Face} =$$
- $$\text{Blue Face with Sweat Droplets} + \text{Crying Face} + \text{Thinking Face} - \text{Woman with Pink Hair} + \text{Blue Face with Sweat Droplets} + \text{Smiling Face with Smiling Eyes} =$$
- $$\text{Smiling Face with Heart Eyes} + \text{Smiling Face with Smiling Eyes} + \text{Woman with Pink Hair} + \text{Grinning Face with Big Eyes} + \text{Squirrel} + \text{Grinning Face with Big Eyes} =$$
- $$\text{Crying Face} + \text{Thinking Face} + \text{Squirrel} - \text{Mouse} + \text{Blue Face with Sweat Droplets} =$$
- $$\text{Smiling Face with Heart Eyes} + \text{Grinning Face with Big Eyes} + \text{Squirrel} + \text{Mouse} + \text{Woman with Pink Hair} + \text{Thinking Face} =$$
- $$\text{Crying Face} + \text{Squirrel} + \text{Thinking Face} - \text{Smiling Face with Heart Eyes} + \text{Blue Face with Sweat Droplets} + \text{Frowning Face} =$$



SpaceX Success

Why did they launch from Florida?

- Florida is on the east coast of the USA.
- If rockets launch easterly over the Atlantic ocean, they get a boost from the Earth's spin.

Illustration: SpaceX spaceship.

SpaceX Launch Astronauts to ISS

It is an exciting time for space fans at the moment. A new **era** of space flight is underway.

On Saturday, NASA and SpaceX launched astronauts from the US for the first time in almost ten years.

Bob Behnken and Doug Hurley were the crew on the spaceship. They travelled at about 17 000mph to the International Space Centre (**ISS**).

They will stay on the ISS helping to carry out scientific studies. They think this could take up to four months. This means they will eat, sleep and work on the ISS in space.

After their mission, the astronauts will go back to the spaceship. It will **undock** from the space station, return home and splash down in the ocean not far from where they took off.

This is a huge step in current space flight and future space travel.

It is the first time a **commercial company** has blasted humans into space using its own rocket.

It also will help with "future missions to

the Moon, Mars, and beyond," according to the SpaceX website.

This is a big step because humans have never set foot on Mars. There has also only ever been six manned missions to the Moon. Apollo 17 was the last, way back in 1972.

The success of this launch means that companies like SpaceX are on track to return people to the Moon by 2024.

With more missions exploring space, who knows where we will be able to travel to in the future?

Glossary

era A long and significant period of history.

ISS A space station that orbits the Earth which astronauts can live on.

undock Detach from another craft in space.

commercial company A company that is organised to make money.

Questions

1. What was the name of the last manned mission to the Moon?

2. "A new era of space flight is underway." Tick the word which is closest in meaning to **underway**.

- ☐ has begun
- ☐ underground
- ☐ will begin
- ☐ already over

3. When does NASA plan to return humans to the Moon?

Tick one.

- ☐ 1972
- ☐ 2020
- ☐ 2024
- ☐ 1969

4. Find one example from the article of why Florida is used as a location to launch rockets from.

5. Do you think humans will ever land on Mars?

6. Summarise the key information in this story in 20 words or fewer.

Practical Ideas



**Write a book review
for a friend.**



Classroom
secrets

Ensure children accurately punctuate their sentences. Discuss ideas for descriptive phrases that children could use to add extra detail.



Find 10 coins.



What is the total?

**Make calculations
using some of these
coins.**

Classroom
secrets

Discuss the value of each coin. Discuss strategies for adding and create calculations, for example: $\pounds 1 + 50\text{p} + 2\text{p} = \pounds 1 \text{ and } 52\text{p}$.



**Make a cake with
an adult.**



**Design a poster to
advertise your
product!**

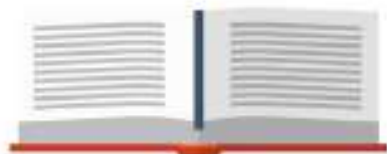
Classroom
secrets

When tasting, discuss ideas for adjectives that can be used. Look at different advertisements and discuss things you like and dislike.

Practical Ideas



**Interview an adult.
Ask them about
their life.**



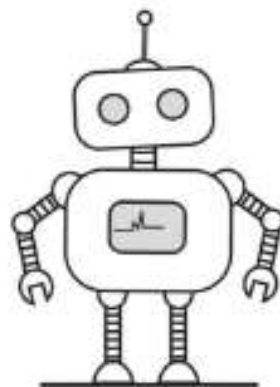
**Write their
autobiography.**



Encourage children to ask good questions, identifying the key information and recording notes using bullet points.



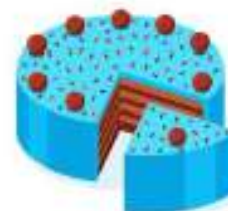
**Create a robot
using empty boxes
and bottles.**



Encourage children to see if their robot can include any moveable parts, using mechanisms they may have learnt.



**Bake a cake with
an adult.**



**Cut into eighths and
create equivalent
fractions.**



Once baked, cut into eight equal pieces. Create and describe different fractions. Discuss how different fractions can show the same quantity.

Why Soap Works Experiment

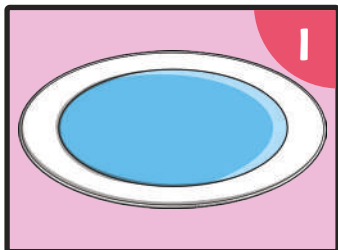
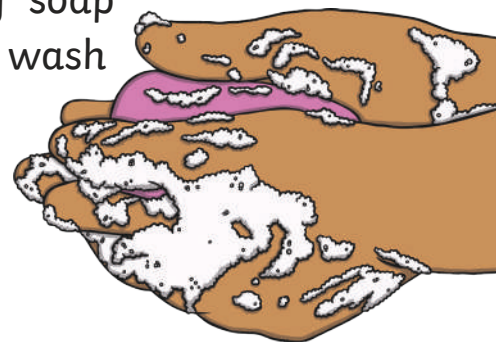
You will need:

- A bowl
- Some water
- A sprinkle of black pepper (or another spice)
- Liquid hand soap
- A hand towel
- A camera (optional)

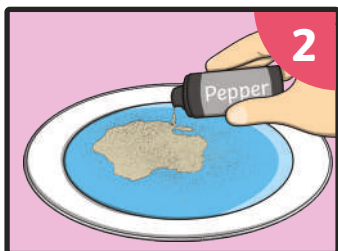
In this experiment, you are going to find out why soap works and why it is better than using just water to wash your hands.

In the experiment, the surface of the water in the bowl represents your hands. The pepper represents harmful dirt and germs that need to be washed away.

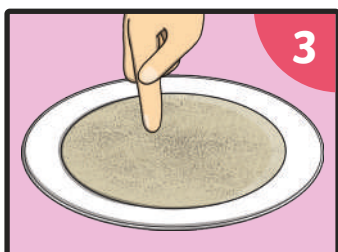
There are two tests in this experiment and they will show you what happens when you wash your hands with and without soap.



Fill the bowl with water, but not all the way to the top.

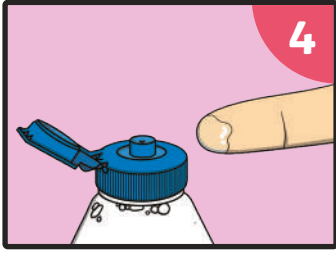


Sprinkle some black pepper on to the surface of the water. You should see the black pepper floating.

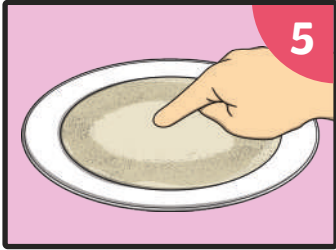


Test 1: Dip your finger into the centre of the bowl of water. Watch what happens to the pepper and record this.

Why Soap Works Experiment



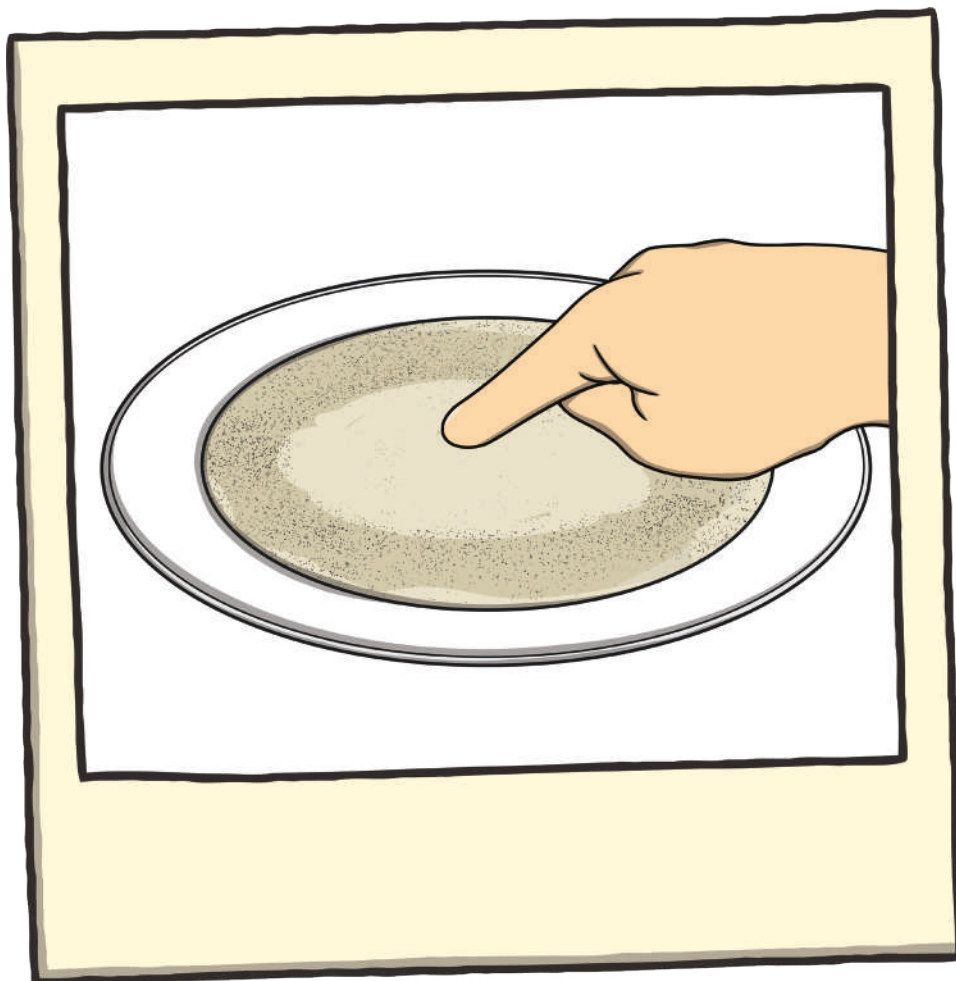
Dry your hand, then dip your finger into the liquid hand soap.



Test 2: Dip your soapy finger into the centre of the bowl of water. Watch what happens to the pepper and record this.

Top Tip

Use a camera to take photos to record what happens to the pepper each time you put your finger into the bowl.



Why Soap Works Experiment

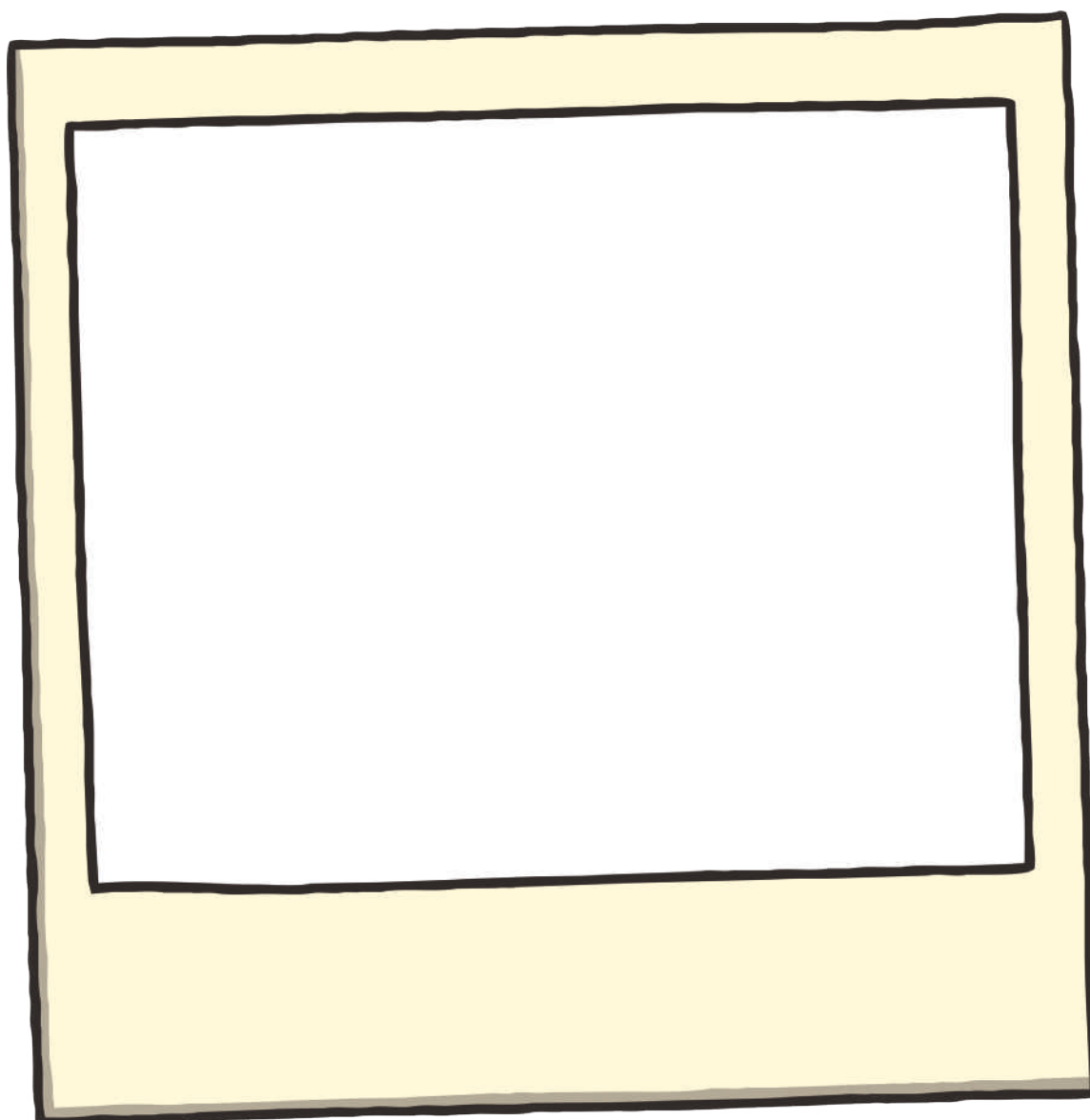
Record Sheet

Test 1

What I think will happen when I put my finger in the bowl the first time:

What actually happened?

You may wish to draw a picture or add a photograph here:



Why Soap Works Experiment Record Sheet

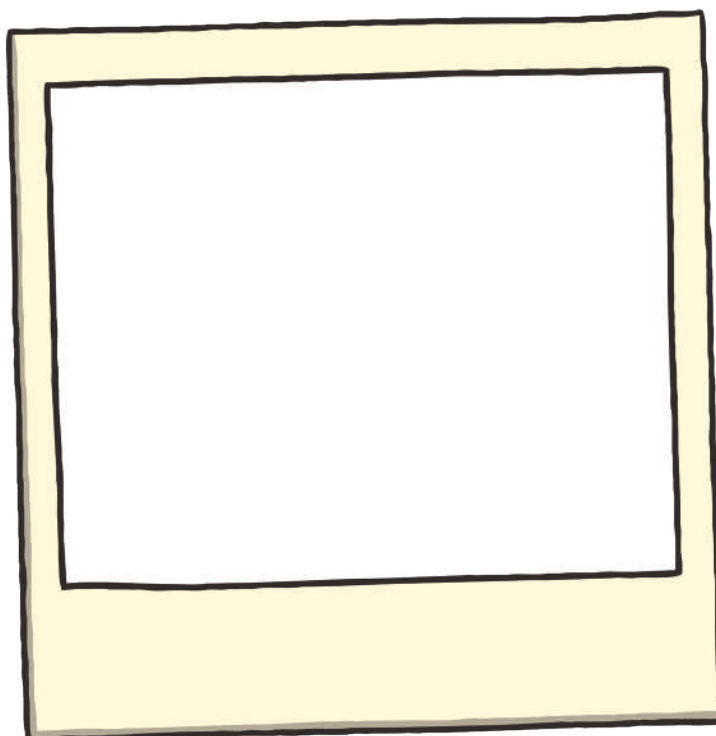
Test 2

What I think will happen when I put soap on my finger and then put it in the bowl:

What actually happened?

Why do you think this was?

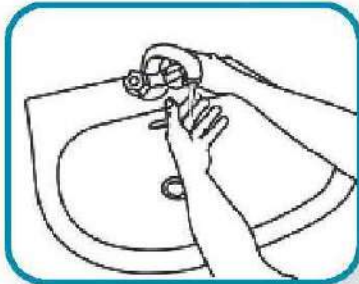
You may wish to draw a picture or add a photograph here:



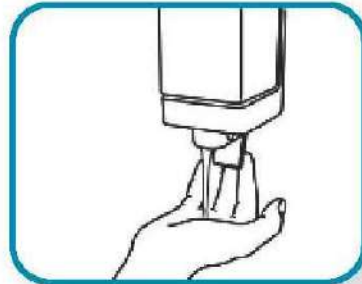
How to wash and dry hands with liquid soap and water



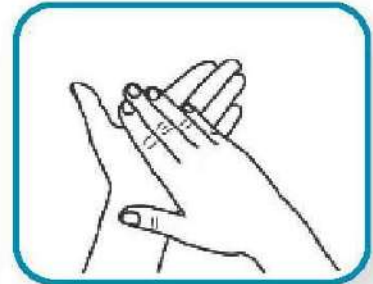
Duration of the entire procedure: **40–60 secs.**



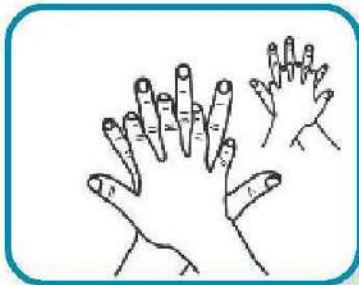
Wet hands with water



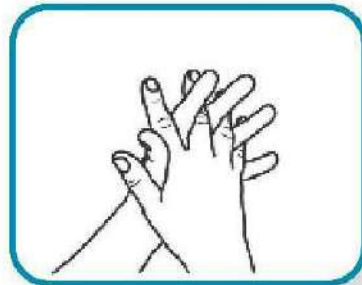
apply enough soap to
all hand surfaces



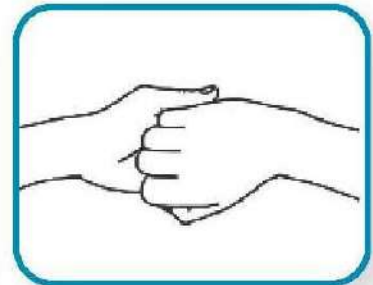
rub hands
palm to palm



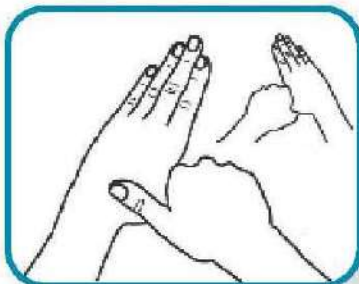
right palm over left
dorsum with interlaced
fingers and vice versa



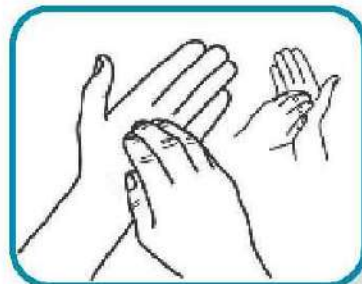
palm to palm with
fingers interlaced



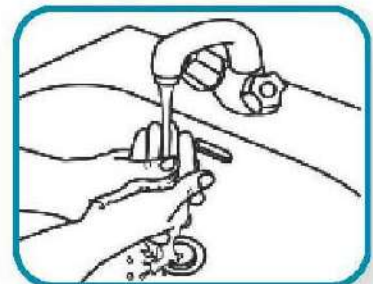
backs of fingers to
opposing palms with
fingers interlocked



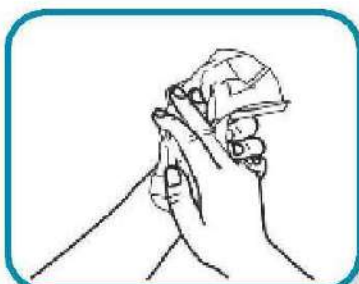
rotational rubbing of
left thumb clasped in
right palm and vice versa



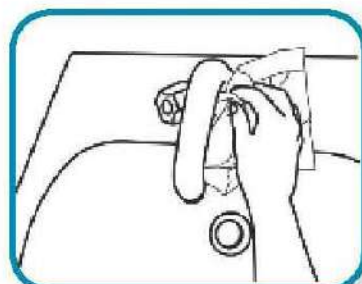
rotational rubbing, backward
and forwards with clasped
fingers of right hand in
palm and vice versa



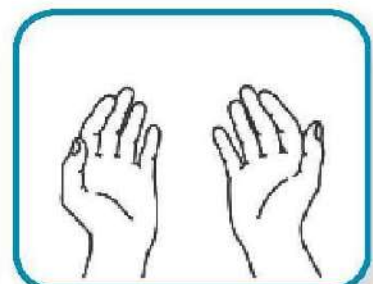
rinse hands with water



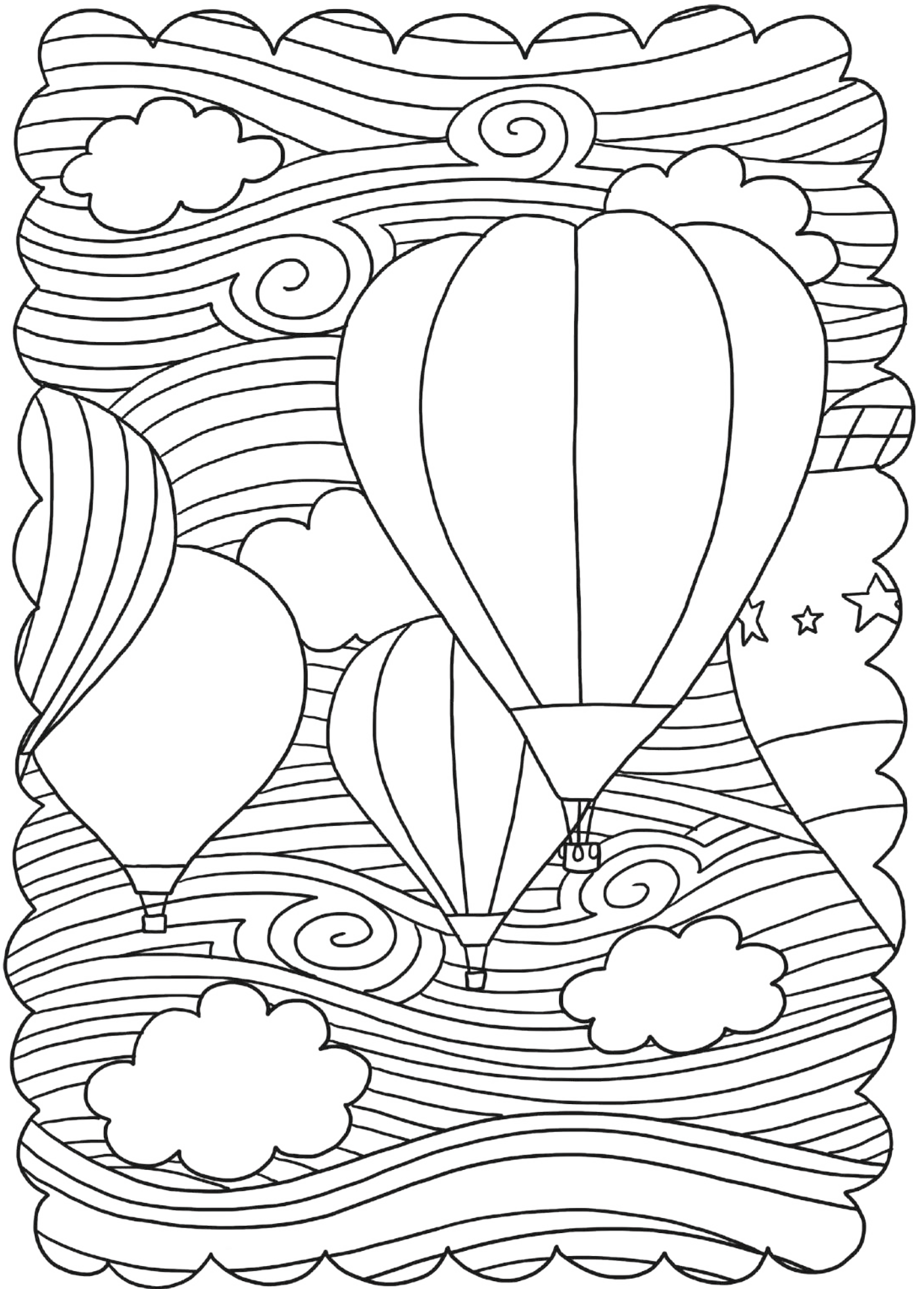
dry thoroughly with
single use towel



use towel to turn off faucet



...and your hands
are safe.

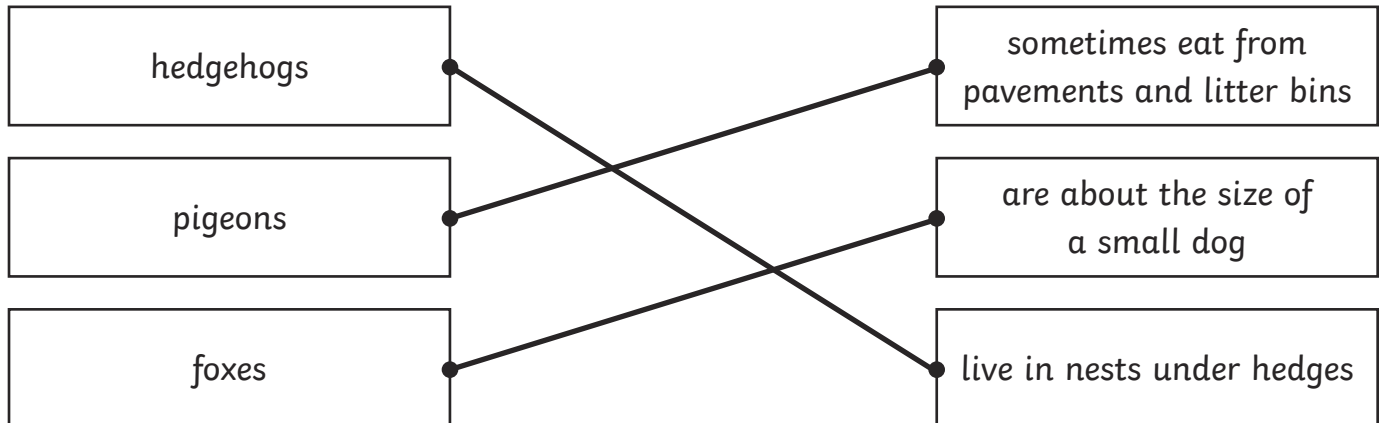


Answers

1. Which animal is the most common wild carnivore found in our towns and cities? Tick one.

- ☐ hedgehog
- ☐ pigeon
- ☒ **fox**
- ☐ badger

2. Draw **three** lines to match the urban animal to the correct fact.



3. Find **three** things that pigeons might eat.

Accept any two of the following; food from pavements and litter bins; insects; seeds; food from bird feeders.

4. Find and copy a word from the **Foxes** section of the text that means **to eat meat**.
carnivore

5. Fill in the missing words in this sentence.

Pigeons have a **cooing** call, which is a very familiar sound within most busy **cities** and town centres.

6. How would making holes in fences help urban wildlife?

Pupils' own responses, such as: We should make holes in fences so that animals can move around different patches of grass and gardens safely. Then they will be able to eat insects and seeds from the gardens rather than food from litter bins.

7. Why are hedgehogs called the '**gardener's friend**'?

Pupils' own responses, such as: Hedgehogs are appreciated by gardeners because they eat creatures like snails and slugs, which often feed on garden plants.

8. Who do you think the author has written the text for?

Pupils' own responses, such as: I think the author has written the text for children who are interested in wildlife, who would like to try to help stop animals like hedgehogs from dying out.

Teacher Script and Answer Sheet: Maths Assessment Year 3:

Number - Addition and Subtraction



question 1	Teacher script for mental maths questions				
a	$263 + 4 =$	b	$348 - 5 =$	c	$452 + 30 =$
d	$663 - 30 =$	e	$682 + 200 =$	f	$725 - 500 =$

question	answer	marks	notes
1. Add and subtract numbers mentally.			
	a) <input type="text" value="267"/> b) <input type="text" value="343"/> c) <input type="text" value="482"/> d) <input type="text" value="633"/> e) <input type="text" value="882"/> f) <input type="text" value="225"/>	6	Award 1 mark for each correct answer.
2. Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.			
a	662	1	Award 1 mark for each correct answer. Do not award a mark if no written columnar method has been shown.
b	697	1	
c	855	1	
3. Estimate the answer to a calculation and use inverse operations to check answers.			
a	$285 + 113 = \mathbf{300 + 100}$ $852 - 306 = \mathbf{850 - 300}$	2	Award 1 mark for each estimate. Also accept a reasonable alternative eg $280 + 110$ or $290 + 100$. Do not accept attempts to calculate the exact answer.
b	No. $715 - 78 = 637$ or $715 - 647 = 68$.	1	Award 1 mark for correctly showing an inverse calculation (including if the answer contains an error) even if the answer 'no' is not given.
4. Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.			
a	<input type="text" value="27"/> +73=100 120- <input type="text" value="71"/> =49 <input type="text" value="415"/> -70=345 138+ <input type="text" value="512"/> =650	4	Award 1 mark for each correct answer.
b	£5	1	
c	12	1	
d	24	1	
e	£2.25	1	Do not accept £225
		Total 20	

question	answer	marks	notes
1. Add numbers up to 4 digits; use formal written method of columnar addition and subtraction.			
a	416 3421 3718	3	1 mark each. Must have used a column method to answer the question
b	341 7747 6184	3	1 mark each. Must have used a column method to answer the question
2. Estimate the answer to a calculation and use inverse operations to check answers.			
a	Sensible estimate given: $500 + 1000 = 1500$ Either $4800 - 2200 = 2600$ Or $5000 - 2000 = 3000$	2	1 mark each
b	$212 + 125 = 337$ or $125 + 212 = 337$	1	
3. Solve addition and subtraction two step problems in context, decide which operations and methods to use and why.			
a	5344	up to 2 marks	Award 2 marks for the correct answer, whether working out shown or not. Award 1 mark for incorrect answer but a sensible attempt to solve the problem.
b	2033	up to 2 marks	
c	65p or written as £0.65	up to 2 marks	
		Total 15	

Emoji Addition to 20 Mosaic Answers

Solve the maths problems to reveal the hidden picture. Each answer has a special colour:

20, 12, 16, 19, 8 = white











18, 15, 11, 13, 9, 7, 3 = yellow

17 = black





10, 14, 5 = red





2+18	6+6	10+8	0+9	11+7	1+2	5+2	18+2	16+4
19+1	0+3	1+8	3+0	9+9	4+5	1+6	13+5	5+7
5+4	19+1	10+6	7+5	15+3	10+2	10+10	7+5	8+10
6+5	5+7	3+14	18+2	4+7	19+1	9+8	4+12	9+2
6+12	9+7	2+18	6+6	7+11	6+6	5+7	5+15	18+0
5+10	2+13	8+7	15+0	7+4	14+4	7+6	4+14	2+13
4+11	3+10	3+8	9+5	4+6	2+3	8+1	11+4	8+5
2+11	8+1	6+5	2+3	0+5	11+3	1+6	7+11	4+5
8+8	8+5	4+7	9+1	10+4	5+9	2+9	9+4	7+5
10+6	0+20	4+9	2+11	9+2	5+6	10+3	11+5	4+12





Emoji Code Breaking Answers





									
5	2	7	3	4	9	6	8	0	1





1.   +   = **94**





2.   -   = **33**





3.   -   = **7**





4.   +   = **58**





5.   +   = **65**

6.   -   = **18**

7.   +   = **85**

8.   -   = **43**

9.   +   = **75**

10.   -   = **9**

Emoji Subtraction to 20 Mosaic Answers

Solve the maths problems to reveal the hidden picture. Each answer has a special colour:











4, 11, 16, 2, 9, 13 = white












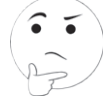

















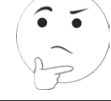
















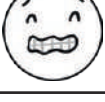

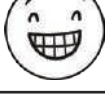










3, 5, 6, 10, 14, 17 = yellow

1, 12, 15 = black

14-1	10-1	20-6	20-3	18-4	15-1	19-2	20-18	20-11
20-18	13-10	15-10	9-3	20-15	19-5	18-12	3-0	7-5
17-11	4-1	16-2	10-4	19-5	12-6	15-12	20-17	14-0
20-19	19-4	12-0	9-8	17-5	16-15	17-5	20-5	9-8
20-3	16-1	13-1	20-19	19-9	19-4	18-6	15-0	19-5
20-3	7-1	13-3	17-11	15-12	16-13	16-2	15-9	9-3
15-1	18-1	15-1	18-4	14-0	19-5	10-1	13-10	10-4
8-2	17-14	12-2	19-6	20-11	14-1	12-10	8-2	12-6
10-1	20-17	9-6	18-8	11-1	18-15	12-9	20-10	4-2
10-8	19-6	10-7	12-2	14-9	10-0	16-6	12-10	17-15

Emoji Code Breaking Answers

									
5	2	7	3	4	9	6	8	0	1

- 


 +
 


 = **697**
- 


 -
 


 = **342**
- 


 -
 


 = **87**
- 


 +
 


 = **765**
- 


 +
 


 = **1295**
- 


 -
 


 = **188**
- 


 +
 


 = **1021**
- 


 -
 

 = **671**
- 


 +
 


 = **819**
- 


 -
 


 = **309**

Answers

1. What was the name of the last manned mission to the Moon?

Apollo 17

2. "A new era of space flight is underway." Tick the word which is closest in meaning to **underway**.

- ☒ **has begun**
☐ underground
☐ will begin
☐ already over

3. When does NASA plan to return humans to the Moon?

Tick one.

- ☐ 1972
☐ 2020
☒ **2024**
☐ 1969

4. Find one example from the article of why Florida is used as a location to launch rockets from.

Accept any answer which refers to Florida on the east coast. This means that they can launch rockets easterly and get a boost from the Earth's spin.

5. Do you think humans will ever land on Mars?

Accept any reasonable answer, e.g. I think that humans will land on Mars because this space flight has given SpaceX more confidence to go further.

6. Summarise the key information in this story in 20 words or fewer.

Accept any reasonable answer which summarises the story in 20 words or fewer, e.g. SpaceX have launched their first astronauts to the ISS. They will live on the ISS doing science research before returning.

Why Soap Works Experiment

Record Sheet

Explanation:

In the experiment, the surface of the water represents the skin on our hands. The pepper represents harmful dirt and germs (microbes) that need to be washed away to keep us healthy.

In the first test, the pepper shouldn't have moved much. A little may become stuck to the finger but it will have remained on the surface and represented the germs remaining on a hand.

In the second test, the pepper should have moved away from the soapy finger. This shows that the soap moved the dirt and germs away because the soap removes the oils found on your hands.

Microbes stick to the oils on our hands so we need soap to remove them. Without soap, the oils stay on our hands and the microbes find it easier to stick!

