Year 3 Remote Learning

ANSWER PACK

8th- 12th February 2021

Pictograms

1 The pictogram shows the number of ice creams sold each day.

Day	Number of ice creams sold
Monday	🍦🍦🍦🍦
Tuesday	🍦🍦
Wednesday	🍦🍦🍦🍦🍦🍦
Thursday	🍦🍦
Friday	🍦🍦🍦
Saturday	🍦🍦🍦🍦🍦🍦🍦🍦🍦🍦
Sunday	🍦🍦🍦🍦🍦

Key 🍦 = 5 ice creams

a) On which day were the most ice creams sold?

　　Saturday

b) On which two days were 20 ice creams sold?

　　Monday & Friday

c) How many ice creams were sold on Thursday? `10`

d) How many more ice creams were sold on Friday than Thursday? `10`

e) More ice creams were sold in total on Saturday and Sunday than during the rest of the week.

Do you agree? _No_

Show your workings.

2 The pictogram shows the colour of cars parked in a car park.

Colour	Number of cars in car park
Red	🚗🚗🚗🚗🚗
Blue	🚗🚗🚗🚗🚙
White	🚗🚗🚗🚗🚗🚗🚗
Yellow	🚗🚙

Key 🚗 = 2 cars

a) How many parked cars are red? `10`

b) How many parked cars are blue? `9`

c) How many cars are parked in total? `36`

d) Write a question about the pictogram.

　　Various answers

Can a partner answer your question?

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3 Class 3 are asked how many pets they have.
Here are the results.

Children with 0 pets	8
Children with 1 pet	14
Children with 2 pets	9
Children with 3 or more pets	2

a) Eva starts a pictogram to show the results.
Complete the pictogram and the key.

Key ▲ = `2` pets

Pets	
0 pets	▲▲▲▲
1 pet	△△△△△△△
2 pets	△△△△◣
3 or more pets	◺

b) How did you know what value to choose for the key?

4 Amir wants to use a pictogram to represent this data.

	Minutes spent on the bus
Monday	60
Tuesday	20
Wednesday	50
Thursday	50
Friday	80

a) What symbol could Amir use? Draw a key to show what each symbol represents.

Various answers e.g ○ = 10 minutes

b) Draw the pictogram for Amir.

Monday	Tuesday	Wednesday	Thursday	Friday

c) Compare pictograms with a partner.
What is the same and what is different?

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Red Task:

1a. The pictogram should be completed as follows:

Month	Number of Children
January	😐😐😐😐
February	😐😐😐
March	😐😐😐😐😐
April	😐😐😐😐😐😐😐
May	😐😐😐😐😐

2a. A. 25; B. 35; C. Class 1A; D. Class 3A and Class 4A.

Gold Task:

5a. The pictogram should be completed as follows:

Snack	Number of People
Cherries	▬▬▬
Cookie	▬▬▬▬
Strawberry	▬▬▬
Chocolate	▬▬▬▬▬
Orange	▬▬▬

6a. A. 32; B. Bowl and sandwich; C. 28; D. Sundae and sugar cone

7a. False. The difference between the number of broccoli and peppers sold is 9 because pepper = 33 and broccoli = 24. 33 – 24 = 9.

8a. Various answers, for example: Bluebell = 7 and Daisy = 14.

9a. Mary is correct, if 72 pupils voted, each image must be worth 8. Cricket = 18; Basketball = 24; Rugby = 10; Tennis = 20; 18 + 24 + 10 + 20 = 72.

Deepen the moment...

1. Katie begins creating the pictogram below. She completes the board games and dominoes sections but runs out of time to fill in the rest. Explore the possible value of the key and complete the pictogram.

48 children voted in total.

Key: 😐 = 4 children

Toy	Number of children
Board games	😐😐
Spinning tops	😐😐😐◣
Action figures	😐😐😐◣
Dominoes	😐😐😐◣

Various answers, one example shown above.
Investigate the different statements that can be created using inequality symbols which each compare the value of three items shown in the pictograms above.

Board games   <   Dominoes   >   Action figures

DP

2. Indi and Isaiah spill pizza sauce on the pictogram below. They know that in total, more than 70 but less than 100 pizzas were made.

Flavours	Number of pizzas made
Vegetarian	🍕🍕🍕
Margherita	🍕🍕🍕
Olive	🍕🍕🍕🍕
Pepperoni	🍕🍕🍕🍕🍕

Most people chose pepperoni. — Indi

Between 8 and 16 people chose vegetarian. — Isaiah

Key: 🍕 = 6

Use the clues to investigate what each pizza is worth and how many people chose olive and pepperoni pizzas.

Various answers, one example shown above.
Vegetarian = 15; Margherita = 18; Olive = 21; Pepperoni = 30

DP

Lesson 2

Bar charts

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1 All the children in Class 3 choose their favourite fruit.

The bar chart shows the results.

Our favourite fruit

(Bar chart: apple = 8, banana = 6, grape = 4, strawberry = 5, orange = 3)
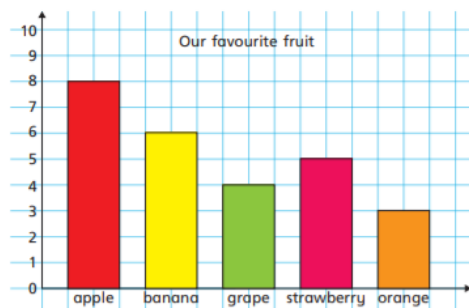
Use the bar chart to answer the questions.

a) What is the most popular fruit?   _apple_

b) How can you tell just by looking?

It's got the tallest bar.

c) What is the least popular fruit?   _orange_

d) How many more children like apples best than like grapes best?   **4**

e) How many children are there in Class 3?   **26**

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2 Some children are asked how they get to school.

The tally chart shows the results.

Method	Tally	Total
Walk	ℍℍ ℍℍ llll	14
Bike	lll	3
Car	ℍℍ lll	8
Bus	ℍℍ ll	7

a) Complete the chart.

b) Draw a bar chart to represent the data.

Title: _Transport to school_

(Bar chart: walk = 14, bike = 3, car = 8, bus = 7)
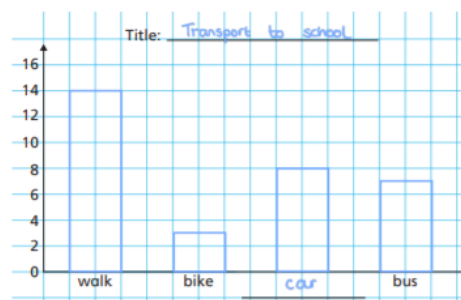
c) Which chart do you prefer? Tick your answer.

tally chart ☐   bar chart ☐   _various answers_

What are your reasons?

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3 The pictogram shows the number of ice creams sold each day.

Key 🍦 = 5 ice creams

Day	Number of ice creams sold
Monday	🍦🍦🍦🍦
Tuesday	🍦🍦
Wednesday	🍦🍦🍦🍦🍦🍦🍦
Thursday	🍦🍦
Friday	🍦🍦🍦🍦
Saturday	🍦🍦🍦🍦🍦🍦🍦🍦🍦🍦🍦
Sunday	🍦🍦🍦🍦🍦🍦

Draw a bar chart to represent this data.

Title: _Ice creams sold_

(Bar chart: Mon = 20, Tue = 10, Wed = 35, Thu = 10, Fri = 20, Sat = 55, Sun = 30)

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4 The bar charts show the number of gold medals won by some countries in the Summer and Winter Olympics.

Summer Olympics 2016

(Horizontal bar chart — Number of gold medals: USA ≈ 46, Germany ≈ 17, France ≈ 10)

Winter Olympics 2018

(Horizontal bar chart — Number of gold medals: USA ≈ 9, Germany ≈ 14, France ≈ 5)
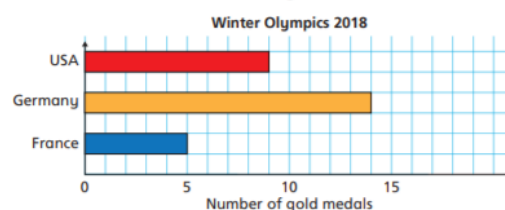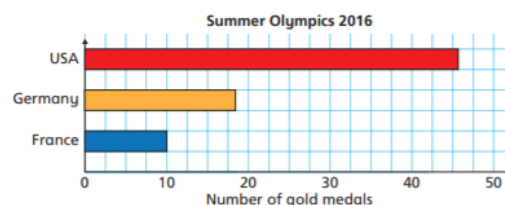
a)

> Germany won more medals at the Winter Olympics than the Summer Olympics as the bar is longer.

Is Mo correct? _No_

How do you know?

b) Which country won the most medals in total?

USA

Red Task:

1a. 8 faces for blue and 4 faces for purple on the pictogram. Green to 16 and pink to 10 on the bar chart.

2a. A. Games; B. 50; C. 20; D. 190

3a. Accept an accurate bar chart with appropriate labels which shows 14 for fruit, 8 for ice cream, 10 for cake and 6 for yoghurt.

Gold Task:

7a. 45 for milk and 20 for smoothie using one of the values given on the pictogram. Water to 25 and juice to 5 on the bar chart.

8a. A. 35; B. 50; C. Cake; D. 175

9a. Accept an accurate bar chart with appropriate scale and labels which shows 30 for cheese, 38 for veggie, 19 for pepperoni and 26 for tuna.

Deepen the moment:

Deepen the moment: There is no correct answer for this question. Allow pupils to discuss the benefits of both the pictogram and the bar chart.

Key Questions – Which type of chart would be easier to display this information? Why? Explain your answer.

Misconceptions/ Common Errors – Pupils may think there is one right answer.

Lesson 3

Tables

1 The table shows school attendance for a Year 3 class.

There are 27 children in the class.

Day	Girls	Boys
Monday	15	11
Tuesday	14	12
Wednesday	14	10
Thursday	15	12
Friday	15	11

a) How many children attended school on Monday?

$\boxed{15}$ + $\boxed{11}$ = $\boxed{26}$ children

b) On which day did all the children in the class attend school? _Thursday_

How do you know?

c) How many boys are in the class? $\boxed{12}$

d) How many girls are in the class? $\boxed{15}$

e) Why is there no data for Saturday or Sunday?

There is no School.

f) Who had better attendance – girls or boys? _Girls_

How did you work it out? Did your partner do the same?

2 The table shows the number of school days in each month.

Month	Number of school days
January	18
February	15
March	19
April	16
May	22
June	20
July	7
August	0
September	18
October	17
November	22
December	16

a) Which month has the least school days? _August_

Why?

Summer holidays

b) Term 1 is from September to December.

Term 2 is from January to April.

Term 3 is from May to July.

Which term has the most school days?

Term $\boxed{1}$

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3 The table shows the number of packets of crisps sold in a small shop.

Crisps sold	6:00 – 9:00	9:00 – 12:00	12:00 – 15:00	15:00 – 18:00
Salted	6	19	26	25
Salt and vinegar	0	12	14	7
Paprika	3	9	20	10
Cheese and onion	1	11	14	8

a) Which flavour of crisp is the most popular?

Salted

b) Which is the least popular flavour?

Salt & vinegar

c) How many packets of crisps were sold between 6:00 am and 9:00 am?

$\boxed{10}$

d) Between what times were the most salt and vinegar crisps sold?

_12:00 – 15:00_

4 The table shows the number of newspapers and magazines sold by a shop from Monday to Friday.

Day	Number of newspapers	Number of magazines
Monday	126	103
Tuesday	148	113
Wednesday		87
Thursday	150	223
Friday	103	186

a) How many newspapers and magazines were sold in total on Tuesday?

$\boxed{261}$

b) How many more magazines were sold on Thursday than on Wednesday?

$\boxed{136}$

c) There were 650 newspapers sold in total.

How many newspapers were sold on Wednesday?

$\boxed{123}$

d) On which day do you think new magazines come out?

Why?

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Red Task:

1a. A. Spinach; B. Chicken, sausage and pepperoni; C. 4; D. Dad

2a. A. Friday morning; B. Tuesday afternoon; C. Thursday afternoon; D. Wednesday

3a. A. Cat; B. Dog; C. 8; D. Rabbit, hamster, dog, fish, cat.

Gold Task:

7a. A. Drivers; B. Managers; C. Cleaners (14 workers each); D. Drivers

8a. A. 191; B. 49 – 12 = 37; C. Cocker spaniel; D. golden (38) + fawn (12) makes 50.

9a. A. 103; B. 7; C. 11; D. French and RE

Deepen the moment:

Deepen the Moment: Questions will vary. Encourage pupils to create comparison questions.

Key Questions – What information does the table give you? What type of question will you write? How would you find the answer to the question you have written?

Misconceptions/ Common Errors – Pupils may write questions that cannot be answered.

Year 3
Statistics

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Name _____

1 The pictogram shows the number of animals on a farm.

Animal	Number on farm
Sheep	★ ★ ★ ⯪
Horses	★ ★
Chickens	★ ★ ★ ⯪
Cows	★ ★ ★ ★ ★

★ = 10 animals

How many cows are there on the farm?

_____ 50 **cows**

1 mark

How many more sheep are there than horses?

_____ 15

1 mark

How many animals are there altogether?

_____ 140 **animals**

1 mark

2 Class 3 voted for their favourite drink.
The results are shown in the pictogram.

Drink	Number of children
Apple Juice	⎕ ⎕ ⎕
Orange Juice	⎕ ⎕ ⎕ ⎕ ⎕
Milk	⎕ ⎕ ⎕ ⎕
Water	⎕ ⎕ ⎕

⎕ = 2 drinks

7 people like water the most.
Complete the pictogram.

1 mark

Complete the sentences.

The most popular drink is ___orange juice___

3 more children like milk than ___apple juice___

Less children like ___apple juice___ than water.

3 marks

3 The table and bar chart show how many children attend breakfast club each day.

Day	Number of Children
Monday	30
Tuesday	20
Wednesday	25
Thursday	15
Friday	20
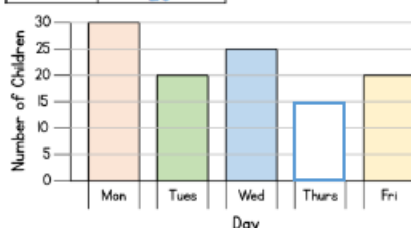
Complete the table and bar chart. (1 mark for each)

3 marks

How many more children attend on Monday than on Friday? _____ 10

1 mark

Alex says,

Less than 100 people go to breakfast club each week.

Do you agree? Explain your answer.
No because the total number of children is 110

1 mark

4 Use the information to complete the missing labels on the bar chart.
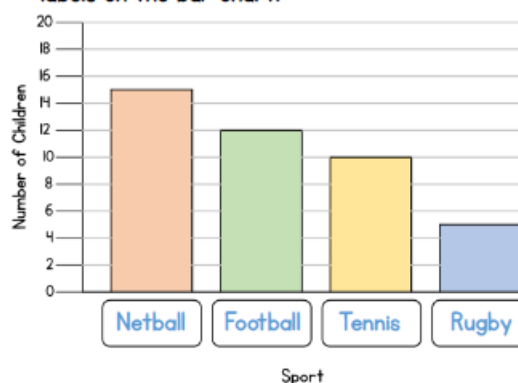
Sport

Netball is the most popular sport.
Three times as many people like netball as like rugby.
Twice as many people like tennis as like rugby.
The number of people who like football is more than 10

3 marks

Circle how confident you feel with statistics.

1	2	3	4	5
Not confident				Very confident

Lesson 5: Arithmetic Test Paper 5 Asnwers

question	answer	marks
1	**572**	1
2	**528**	1
3	**298**	1
4	**58**	1
5	**817**	1
6	**222**	1
7	**827**	1
8	**451**	1
9	**56**	1
10	**9**	1
11	**108**	1
12	**552**	1
13	**31**	1
14	$\frac{7}{9}$	1
15	$\frac{2}{8}$ or $\frac{1}{4}$	1
		Total 15

English Answers

Lesson 1

Poetry - Why Must We Go to School?

Key vocabulary: inclined, desperate, puzzle

Retrieval

1) Dad gives his child many reasons why they must go to school. Name two of them.

Various answers including:

Stop you from running wild

Learn about Francis Drake and fractions

Give their mother a break

To find something for the teachers to do

Swot up on the questions their kids will ask them

2) At the end of the poem what does dad ask his children to do? Go to bed

Inference

3) How do you think dad is feeling when his child keeps asking him 'why must we go to school?' ? Use evidence to support your answer.
Annoyed/frustrated because they keep asking him the same question. Language used to show this includes buzz off, shut up and eat your tea! Push off

Vocabulary

4) Find and write the rhyming word pairs in the poem.

For example: do – you

Child/wild, me/tea, do/you, Drake/break, say/play, dad/mad, said/bed

5) Dad says to 'swot up on the questions your kids'll ask you'. What does he mean by 'swot up'?

To study hard

Lesson 2

first person pronouns	second person pronouns	third person pronouns
I	you	she
me	your	hers
mine		they
ours		theirs
us		he
we		his

1. Bring a wallet or purse - **you** are responsible for **your** own money.

2. Even though **I** knew it was safe, **I** was still too scared to walk into the room alone.

3. "Don't forget the chocolate!" **I** shouted to Dad.

4. Zara and **her** friends were giggling at the back of the classroom.

5. The girls danced **their** way excitedly from the classroom to the hall.

Deepen the moment:

1. Collette was busy tidying her room because her mum has said that it was like a pigsty.

I was busy tidying my room because mum said that it was like a pigsty.

1. "Keep going Joel," cheered the crowd as he staggered to the finish line.
Third person
2. I hate Fridays, I couldn't wait for the weekend to arrive.
First person
3. Charlie and his friends are working on a science project together.
Third person
4. Do you love honeycomb? Then try a bar of Honey Crunch today!
Second person

Lesson 3

Task 1

ask — request
need — require
saw — witnessed
think — believe
job — profession
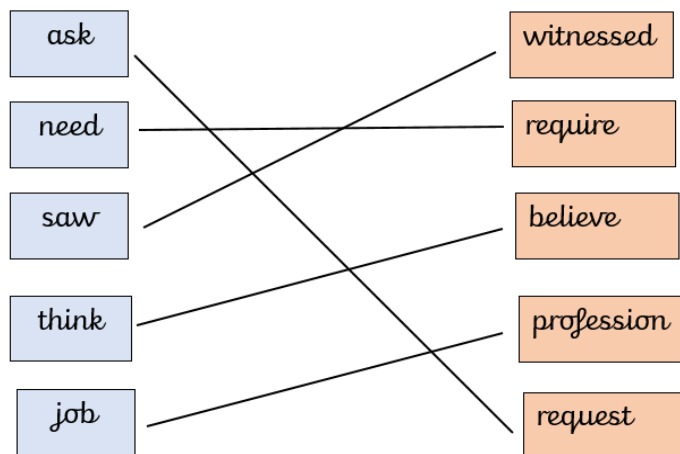
Task 2

Sentence	Formal or informal?
The shopkeeper apologised for any inconvenience caused by the disarray.	Formal
The shopkeeper said sorry for the mess.	Informal
The police said to call if you saw something odd.	Informal
The police requested that witnesses report any further information linked to this unusual event.	Formal

Task 3

1. Witnesses reported that the lights were extremely bright.
2. Mr Brown believes the unusual event is connected to aliens.
3. The unusual events of the day were surprising.

Lesson 5

Newspaper Writing Checklist

Did I...

	Child	Friend	Teacher
write the name of the newspaper at the top?	✓		
create an interesting headline and sub-headline?	✓		
start with an introductory paragraph that includes the five Ws?	✓		
add captions to all pictures?			
include facts about the main events?	✓		
write in the third person and past tense?	✓		
use quotes written as direct speech?			
finish with a conclusion paragraph to explain what might happen next?	✓		

Caption (answers will vary):

The mysterious metal objects left scorch marks on the field at Grenville Primary School.

Direct speech (answers will vary):

Samanatha Harris: "The mysterious object flew so low that I had to jump into a ditch to avoid being hit. My poor dog was petrified!"

Police: "There is no need for the people of Greenville to panic. We are doing everything we can to investigate the incident. We are confident there will be a simple explanation."

Reading for Productivity Answers
Lesson 1- Art

> **Reading for Productivity – Cressida Cowell**
>
> **Retrieval**
>
> 1.) How long does it take Cowell to produce one of the Hiccup books, including the illustrations? <mark>About a year.</mark>
>
> 2) Name two other books other than 'How to Train your Dragon' that appear in the Hiccup series. <mark>*How To Be a Pirate, How To Speak Dragonese, How To Cheat A Dragon's Curse, How To Twist A Dragon's Tale, How To Steal A Dragon's Sword,* and *How To Betray a Dragon's Hero.*</mark>
>
> **Inference**
>
> 3.) Why do you think Cowell's Hiccup series of books are so popular with children? Any appropriate answer such as: <mark>Because they are about Dragon's and children like mythical creatures like dragons.</mark>
>
> 4.) Look at the illustrations created by Cressida Cowell in How to Train your Dragon. What medium do you think Cowell has used? <mark>Pencil or black pen</mark>

Lesson 2- Safer Internet Day

Answers

1. When is Safer Internet Day celebrated this year? Tick one.

   ○ Tuesday 10th February
   ○ Thursday 9th February
   ⊘ **Tuesday 9th February**
   ○ Tuesday 19th February

2. Mark whether the statements about Safer Internet Day are **true** or **false**.

	True	False
Safer Internet Day started in 2006.		✓
It happens in over 100 countries around the world.	✓	
It aims to help young people to use the Internet safely and make good choices online.	✓	

3. What is the theme for Safer Internet Day 2021? Tick one.

   ⊘ **an Internet we trust: exploring reliability in the online world**
   ○ be safe on the Internet
   ○ an Internet we use: finding facts online
   ○ fake news is bad

4. Explain in your own words how the theme of Safer Internet Day 2021 aims to help young people online.

   Pupils' own responses, such as: The 2021 Safer Internet Day theme, 'an Internet we trust: exploring reliability in the online world' aims to help young people to develop the skills to recognise what is real and what is fake online and what to do if they find misleading content.

5. What is fake news? Fill in the missing words.

   Fake news is **false** information that claims to be true and **reliable** news.

6. Find and copy one word that means the same as 'honest and reliable'.

   trustworthy

7. How can you spot fake news? Tick **two**.

   ○ If there is an author or journalist name, it could be suspicious.
   ⊘ **Poor web design, spelling, punctuation and grammar might mean it's fake news.**
   ⊘ **If there is not an author or journalist name, it could be suspicious.**
   ○ If the article is older than one year.

Lesson 3- Geography

Reading for Productivity – Geography – Rainforests

Retrieval
1. Name the two types of rainforest. Temperate and tropical
2. Which rainforests are nearer the equator? Tropical
3. What percentage of our natural medicines has been found in rainforests? 25%
4. Where in the rainforest is the canopy? At the top

Vocabulary
5. Find and copy a word that means the same as hot and damp. Humid

Lesson 4- Science

Reading for Productivity – Magnetic fun

Retrieval

1. What is the name of the company you are designing a game for? P & L Toys.
2. What needs to be compared and grouped together? Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet,

3. Name two materials used to make the game? Large sheets of paper, card, small magnetic whiteboards felt, funky foam, tissue paper, scissors, googly eyes and coloured pipe cleaners etc.

Vocabulary
4. What does the word *similarities* mean in the text?

🔊 similarity

/sɪməˈlarəti/

noun

plural noun: **similarities**

the state or fact of being similar.
"the similarity of symptoms makes them hard to diagnose"

• a similar feature or aspect.
"the **similarities between** people of different nationalities"

5. Write another synonym for related.

akin.

analogous.

complementary.

linked.

Lesson 5- PSHE

Questions

1) What is the author's secret place as big as? The sky at night

2) Who else knows about the secret place? No one

3) What hurts the author's brain? Trying to explain

4) Where is the place? Inside myself

5) Do you think that the author likes their secret place? How do you know? Yes. Once I'm there, its right. Feels as though I never lever at all.