



Year 5 Home Learning Thursday 10th December 2020

I have set out each day's learning as a series of suggested daily activities. However, the time may look very different for each family. Building in time to look after each other, be physical, creative and relax is as important as completing the set activities. You need to decide what works for you and your family. You could do more of the activities on one day and fewer on another, or you may find it helpful to have a more structured approach. It may help to give clear times for doing activities and clear times for breaks.

Session 1	Christmas SPAG Challenge
	<p>The Christmas pudding conundrum – See appendix 1</p> <ul style="list-style-type: none"> • Solve each clue and find the naughty elf responsible! • This task includes correcting spellings, punctuation, prefixes and suffixes. Good luck!
Session 2	Math
	<p>Times Table Rock Stars – Who will be our rock star champion this week? https://trockstars.com/</p> <p>Warm-up: Reasoning</p> <ul style="list-style-type: none"> • Moving around – geometry task • See appendix 2 (instructions on task) <p>Main activity: Zoom lesson at 10am with Miss Birmingham or Mr Border</p> <ul style="list-style-type: none"> • During the Zoom today we'll be recapping time • In particular, telling time: <ol style="list-style-type: none"> 1. To five minute intervals past the hour 2. Five minutes to the hour 3. To the nearest minute 4. Measuring time: 24hour time • Appendix 3 and Appendix 4 (challenge Math questions).
	Mindup
	<p>Start your day, the positive way! Write an affirmation for what you are grateful for this morning https://mindup.org/activities-for-you-and-your-child-at-home/</p>
Session 3	English
	<p>Charlie and the Chocolate Factory - current whole class reading book</p> <p>Warm Up: Zoom lesson at 12pm or 1pm with Miss Birmingham</p> <ul style="list-style-type: none"> • 12pm session: We'll read the next 2 chapters together: Chapter 26 – The Television-Chocolate Room pages 146-151 Chapter 27- Mike Teavee is sent by television pages 152-164 • 1pm session: We'll read: Chapter 27 - Mike Teavee is sent by television pages 152-164

	<p>Main Activity: The dangers of television! TV or no TV, that is the question....</p> <p>Part 1:</p> <ul style="list-style-type: none"> • Today we'll be looking at opinions and understanding two sides to an argument • We'll be focusing on evidence in chapter 26 and 27 to support our findings – see extract one (appendix 5) <p><u>Let's consider:</u></p> <ol style="list-style-type: none"> 1. What advice did the Oompa-loopma's give? To who? Why? 2. Who agrees with their opinion? 3. Who disagrees? 4. Do we agree with some opinions but not all? <ul style="list-style-type: none"> • Take a look at appendix 6 – choose one character from the cards • You are going to represent this character during tomorrow's Zoom debate. You need to decide if the character is for or against TV. This means that you personally might not agree with the character's opinion; however, you are going to create a list of opinions that the character would most likely have (eg. An optician, someone that looks after people's eyes, would be against watching so much TV) <p>Part 2:</p> <ul style="list-style-type: none"> • Appendix 7 – Fill in the details and create your argument • Remember to think of 4 statements to back up your argument. You want to win the debate! <p>Tomorrow:</p> <ul style="list-style-type: none"> • Over Zoom we'll have our debate. • Just like our invention pitches, be creative! Feel free to become your character and get dressed up - Let the debating begin!
	Reading
	<ul style="list-style-type: none"> • Take some time to find a quiet space and read. OR • Read to a family member, or friend over the phone. • Remember to fill in your reading record each day!
Session 4	Science and Geography
	<p>Understanding global climate zones: Why are the North and South Poles so cold?</p> <ul style="list-style-type: none"> • Watch this video https://www.bbc.co.uk/bitesize/clips/zr7hyrdm • Use diagrams, labels and your own written explanation to show why the North and South poles are so cold • See appendix 8 diagram to fill in • Draw your own temperature thermometer (see examples from yesterday's negative integer Math lesson). Show a negative temperature in degrees Celsius.

Appendix: 1

The Christmas Pudding Conundrum

The North Pole was buzzing with excitement as Christmas Day had finally arrived. Mrs Claus had baked a marvellous Christmas pudding for all of the elves to enjoy. However, as they dug into the pudding and took their first bites, the elves were so disappointed. Someone had swapped the sugar for salt and Mrs Claus' Christmas pudding had been ruined!

As Detective Chief Inspector on the case, you know that one of the elves must have played a nasty trick on Mrs Claus but which one was it? You have taken down the names and descriptions of 20 elves who were seen near Mrs Claus' kitchen on Christmas Eve. There are also five important clues that have been discovered inside the kitchen.

To crack the case, you will need to solve each clue and check the information with the list of names. Will you be able to solve the mystery and stop the naughty elf before any more Christmas treats are ruined?

Good luck!



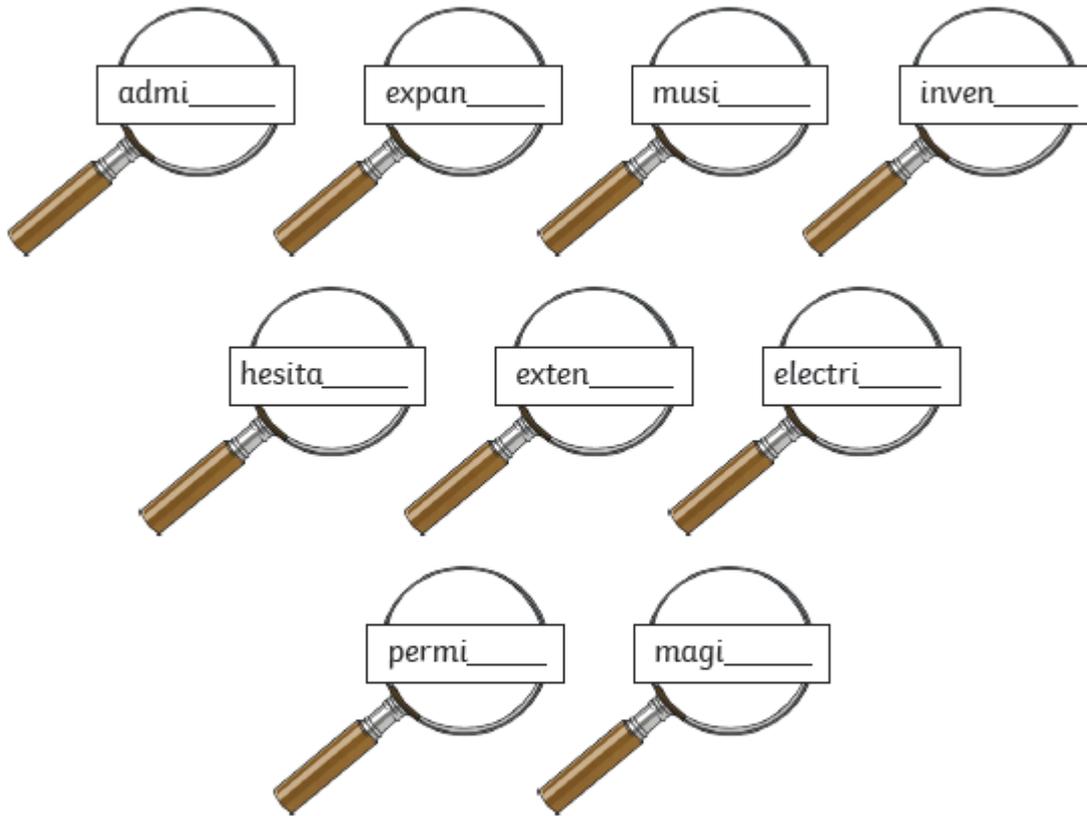
Elf Descriptions

Elf Name	Shoe Size	Hair Colour	Hat Colour	Job in the Workshop	Christmas Eve Snack
Berry Cracklecheer	3	black	red	gift wrapper	cookies
Bing Picklebeard	2	black	green	tree decorator	mince pies
Blitz Sparklejoy	4	blonde	red	gift wrapper	stollen
Buddy Glittersnoot	5	black	red	inventor	cookies
Butters Gingersnap	5	brown	green	bow applier	mince pies
Buttons Twinklegift	8	blonde	green	gift wrapper	cookies
Coco Sparklestar	6	black	red	inventor	stollen
Fluffy Hollyhat	2	ginger	white	bow applier	mince pies
Frosty Morningdance	7	brown	red	inventor	stollen
Fuzzle Chillyscarf	4	black	green	gift wrapper	cookies
Hope Flippyjoy	5	blonde	green	tree decorator	mince pies
Jewel Sleepy night	9	ginger	white	bow applier	stollen
Jingle Crackerbox	3	black	red	gift wrapper	cookies
Pepper Snowivy	9	brown	white	inventor	mince pies
Perky Happyhat	6	ginger	white	tree decorator	stollen
Pookie Snifflesnuff	8	black	red	inventor	cookies
Shimmer Snowtree	3	brown	white	tree decorator	mince pies
Snowball Milkglitter	5	black	green	gift wrapper	stollen
Tiny Sugarfun	2	blonde	white	tree decorator	cookies
Winter Candyplum	4	black	red	inventor	mince pies

The naughty elf who swapped the sugar must be _____.

Clue 1 A Cut above the Rest

As the first person on the scene, you find an important piece of evidence. Trapped beneath the mixing bowl, you find a long strand of hair. It must belong to the sugar swapper! Draw a line to match the word to the correct ending. Make sure that you spell the words correctly. The word ending with the most matching words will show the colour of the naughty elf's hair.



 tion ginger hair	 sion blonde hair	 ssion brown hair	 cian black hair
--	--	--	---

The word ending with the most matching words is _____ so the naughty elf's hair must be _____.

Clue 2 A Shred of Evidence

On the floor, trapped beneath the fridge, is a scrap of material. It must have been torn from the naughty elf's hat as they ran away. Read the sentences below. Decide which prefix is needed to correctly complete the words. The prefix that is used the most will show you the colour of the sugar swapper's hat.

Sentence	dis-	mis-	in-
I can't believe an elf would ____behave in this way.			
We are so ____appointed that someone would do this.			
Who would make such an ____correct choice?			
It was wrong of the naughty elf to ____lead us.			
I totally ____agree with what the naughty elf has done.			
Mrs Claus has been ____credibly upset about this.			
The naughty elf has been so ____considerate.			
Surely, Mrs Claus didn't just ____read the recipe.			
Did the naughty elf simply ____appear after their trick?			
Who would ____respect Mrs Claus like this?			



If **dis-** is used the most,
the elf's hat is **red**.



If **mis-** is used the most,
the elf's hat is **white**.



If **in-** is used the most,
the elf's hat is **green**.

The prefix which is used most is _____ so the naughty elf's hat must be _____.

Clue 3 A Tasty Hint

Upon examining the kitchen floor, you find lots of crumbs. They must be from the naughty elf's favourite Christmas snack. Look at the root words below. Decide which prefix fits with each root word. The prefix with the most matching root words will show you what the sugar swapper likes to munch on at Christmas.

biography

market

septic

clockwise

man

star

graph

social

biotic



If the prefix **super-** is used most, the culprit loves eating **mince pies**.



If the prefix **anti-** is used most, the culprit loves eating **cookies**.



If the prefix **auto-** is used most, the culprit loves eating **stollen**.

The prefix with the most matching root words is _____ so the naughty elf's favourite Christmas snack must be _____.

Clue 4 Elf and Safety

You've heard a rumour amongst the elves about the job that the sugar swapper has in Santa's workshop. To know for sure, you must solve this puzzle. Each of these sentences has one piece of punctuation missing. Add the missing punctuation from the options below. The most common piece of missing punctuation will tell you the sugar swapper's job.

Bumble Zippy and Sparkles did not enjoy the Christmas pudding.

Mrs Claus Christmas pudding has been ruined.

Who could show such little respect

What a horrible trick that was

Will the police catch the elf before Boxing Day

Do the police know all of the elves whereabouts?

Why would they do that to poor Mrs Claus

How rude of the elf to do that

I cant believe someone would do something like this.

I don't want to see the look on Santas face when he hears.



If a **question mark** is missing most, the elf is a **gift wrapper**.



If an **exclamation mark** is missing most, the elf is a **bow applicier**.



If a **comma** is missing most, the elf is a **tree decorator**.

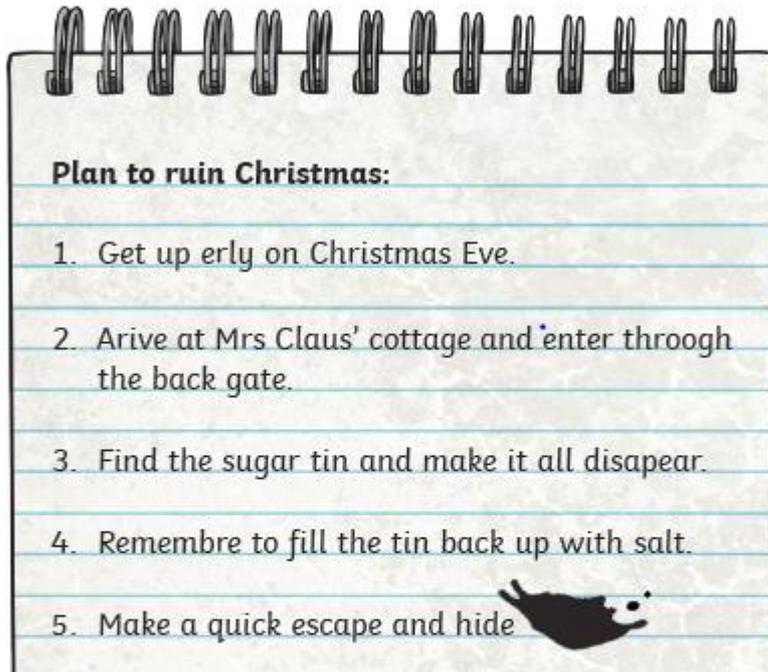


If an **apostrophe** is missing most, the elf is an **inventor**.

The most common piece of missing punctuation is _____ so
the naughty elf must be _____.

Clue 5 Putting Their Foot in It

Just as you were about to give up, you find a handwritten set of instructions written by the sugar swapper, explaining their entire plan in detail! Circle the words which are spelt incorrectly and write the correct spellings below. The total number of words spelt incorrectly is the same as the naughty elf's shoe size.



There were _____ spelling mistakes in the note so that must be the elf's shoe size.

Appendix 2:

Geometry

Moving Around

Start at the bottom left corner of the grid.

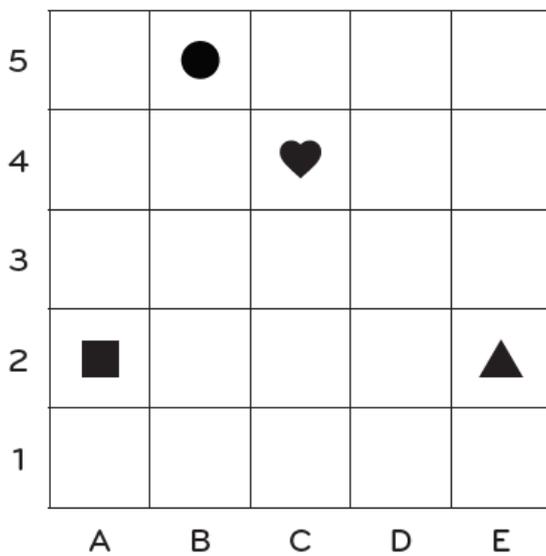
Describe a path of single-square moves, right, left, up or down, you would have to make to collect all four objects. How many moves long is your path?

Now place two more objects on the grid so that it takes a total of 15 single-square moves to collect all 6 objects, still starting at the bottom left corner.

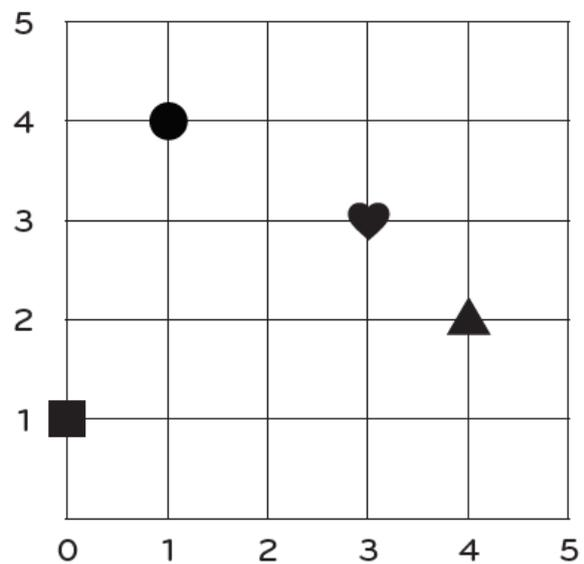
Describe the 15-move path, starting at the bottom left corner.

Use either Grid 1 or Grid 2.

GRID 1



GRID 2

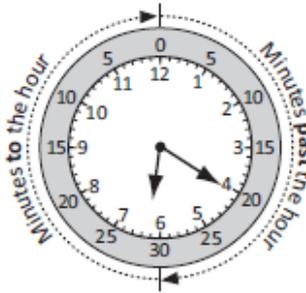


Appendix 3:

Telling time – five minute intervals past the hour

It takes 5 minutes for the minute hand to move from one number to the next. The time shown on this clock is 20 minutes past 6.

Remember – the minute hand is the longer one.



20 past 6

1 Write the number of minutes it takes the minute hand to move from the following:

a 8 to 12

b 5 to 7

c 2 to 4

d 11 to 3

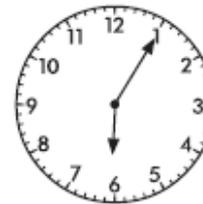
e 6 to 1

f 5 to 10

2 Connect each time to the matching clock face:

25 minutes past 9

10 minutes past 2

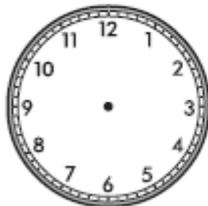


20 minutes past 12

5 minutes past 6

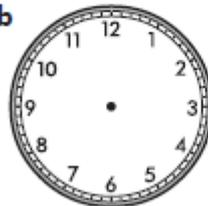
3 Draw the hour and minute hands on each clock to show the correct time:

a



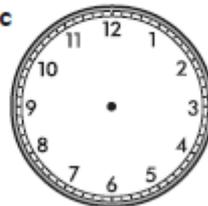
5 minutes past 6

b



20 minutes past 3

c



10 minutes past 9

Remember as the minute hand moves around the clock face, the hour hand gets closer to the next hour.

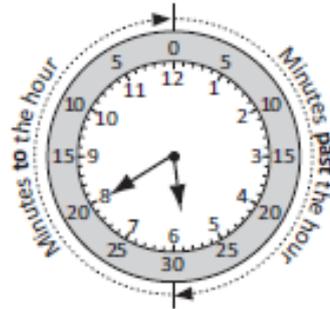


REMEMBER

Telling time – five minute intervals to the hour

When the minute hand has passed 30 instead of saying the number of minutes **after** the hour, you can say the number of minutes **before** the next hour.

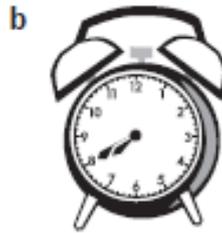
20 to 6



1 Label the clocks:



___ minutes to ___



___ minutes to ___



___ minutes to ___



___ minutes to ___

2 Connect each clock to its time label with a line.



15 past 4



20 to 3



10 to 4



5 past 7



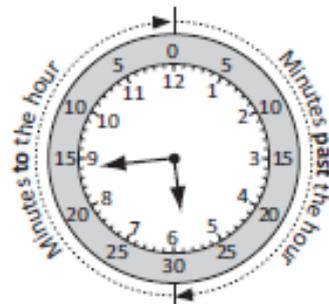
15 to 9



15 past 6

Telling time – to the nearest minute

Each small division on a clock represents 1 minute.
 As with telling the time to the nearest 5 minutes, we say 'minutes past' the last hour for times up to 30 minutes after the hour, and 'minutes' to the next hour for the 30 minutes coming up to the next hour.
 This clock shows '16 minutes to 6'.



1 Write the time shown on the clock face to the nearest minute.



_____ minutes past _____



_____ minutes to _____



_____ minutes past _____







2 Draw the hands on the clock face to show the time below:



9 minutes past 12



21 minutes to 8



27 minutes past 2



14 minutes past 9



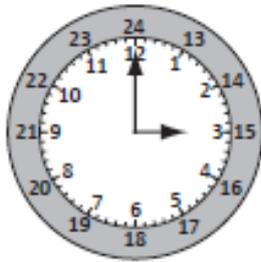
6 minutes to 12



17 minutes to 6

Appendix 4: Are you up for a challenge?

Measuring time – 24-hour time



Time can be measured using 12-hour time, using am/pm, or 24-hour time.

$$3:00 \text{ pm} = 15:00$$

When writing digital time, a zero is sometimes placed before single-digit hours, so, for example, both 07:00 and 7:00 are correct. When showing 24-hour time a colon (:) is usually put between the hours and minutes (eg 14:00), though you may sometimes see it without (eg 1400).

- 1 Complete the table with the correct analogue, digital and 24-hour times.

	1:00 pm	9:30 pm	
08:35			18:15

2:22 pm	1:18 am		
		20:00	21:04

Measuring time – 24-hour time

2 Convert these 24-hour times to digital times:

a 04:00 =

b 15:00 =

c 13:30 =

d 16:05 =

e 09:20 =

f 08:25 =

3 Convert these digital times into 24-hour time:

a 9 am =

b 10 pm =

c 7:30 am =

d 2:15 pm =

e 5:35 am =

f 7:25 pm =

4 It is 17:00 and your favourite TV show is due to start in half an hour. Show the starting time in digital form:

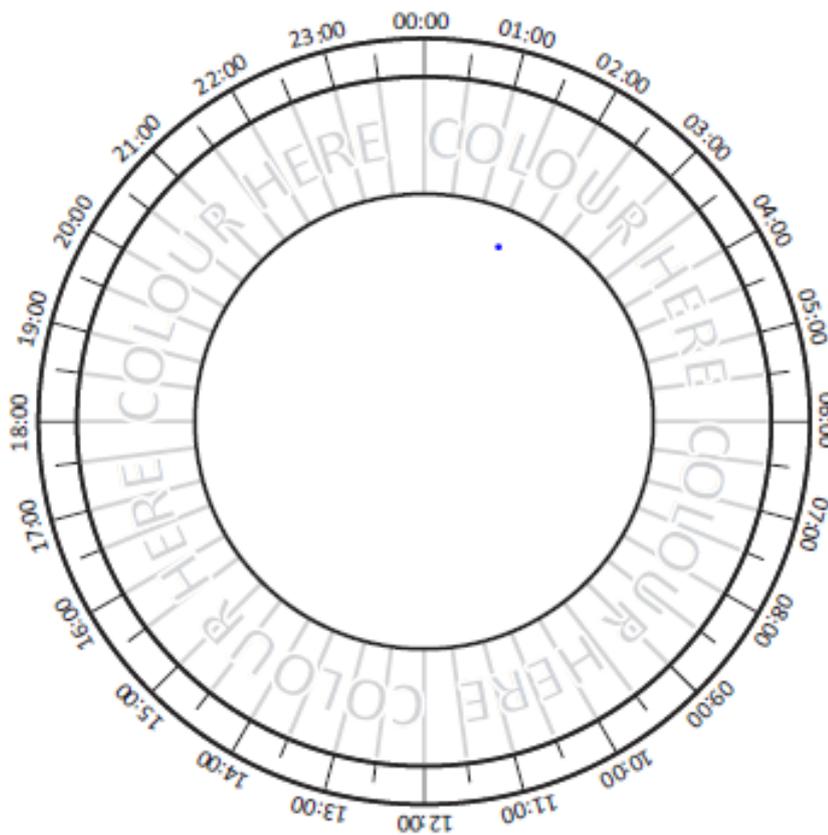
DVD recorders use 24-hour time to record programs.

5 Minh wants to record some programs on her DVD. Enter the start and finish times of each program in 24-hour time. How long is each show?

Channel 4		Program	Start	Finish	Length
9:00 am	Science Show	Science Show	09:00	10:00	1 hour
10:00 am	Behind the News	Behind the News			
11:00 am	Weather Report				
12:00 pm	Midday News				
1:30 pm	My Name is Greg	Movie: Solaris			
2:30 pm	Movie: Solaris				
4:00 pm	4 pm News	4 pm News			
5:00 pm	Smartline	Smartline			
6:00 pm	Current Affairs				
8:00 pm	Movie: Chinatown	Movie: Chinatown			
9:45 pm	Late News				

Measuring time – 24-hour time

- 6 Carla is training for a marathon. Complete the chart below to show how she spends her day. Colour each of the segments in the chart using a different colour to show the duration of each activity below.



Colour Time/Activity

- 5:00 am–6:45 am
Morning run
- 6:45 am–8:00 am
Breakfast, get ready for work
- 8:00 am–8:45 am
Drive to work
- 8:45 am–5:00 pm
Work
- 5:00 pm–5:45 pm
Drive home
- 5:45 pm–7:00 pm
Gym session
- 7:00 pm–7:30 pm
Shower
- 7:30 pm–8:15 pm
Have dinner
- 8:15 pm–10:00 pm
Watch TV and read
- 10:00 pm–5:00 am
Sleep

a How long is Carla's morning run?

b How long is Carla's work day?

c How much time does Carla have between dinner and bed time?

ROALD
DAHL

EXTRACT FROM
CHARLIE AND THE CHOCOLATE FACTORY



EXTRACT ONE

*From Chapter twenty seven:
Mike Teavee is Sent by Television
(300 words)*

*“The most important thing we’ve learned,
So far as children are concerned,
Is never, NEVER, NEVER let
Them near your television set –
Or better still, just don’t install
The idiotic thing at all.
In almost every house we’ve been,
We’ve watched them gaping at the screen.
They loll and slop and lounge about,
And stare until their eyes pop out.
(Last week in someone’s place we saw
A dozen eyeball on the floor.)
They sit and stare and stare and sit*

*Until they’re hypnotized by it,
Until they’re absolutely drunk
With all that shocking ghastly junk.
Oh yes, we know it keeps them still,
They don’t climb out the window sill,
They never fight or kick or punch,
They leave you free to cook the lunch
And wash the dishes in the sink –
But did you ever stop to think,
To wonder just exactly what
This does to your beloved tot?
**IT ROTTS THE SENSES IN THE HEAD!
IT KILLS IMAGINATION DEAD!
IT CLOGS AND CLUTTERS UP THE
MIND!
IT MAKES A CHILD SO DULL AND
BLIND
HE CAN NO LONGER UNDERSTAND
A FANTASY, A FAIRYLAND!
HIS BRAIN BECOMES AS SOFT AS
CHEESE!
HIS POWERS OF THINKING RUST***

*AND FREEZE!
HE CANNOT THINK – HE ONLY SEES!
“All right!” you’ll cry. “All right!” you’ll
say,
“But if we take the set away,
What shall we do to entertain
Our darling children! Please explain!”
We’ll answer this by asking you,
“What used the darling ones to do?
How used they keep themselves contented
Before this monster was invented?”
Have you forgotten? Don’t you know?
We’ll say it very loud and slow:
**THEY ...USED ... TO ... READ!
They’d READ and READ,
And READ and READ, and then proceed
TO READ some more. Great Scott!
Gadzooks!***

One half their lives was reading books!



**ROALD
DAHL**
CHARLIE
AND CHOCOLATE
THE FACTORY

**TV OR
NOT TV?**
CHARACTER CARDS



**You are
Mike Teavee!**

**You are Mike
Teavee's parents.**

**You are a
children's author.**

**One of your parents
is a publisher.**

**You are a reporter
for the BBC.**

**You run a
newspaper.**

**You are an
optician.**

**You are a
teacher.**

**You are the owner of
an electricals store.**

You work in a library.

**You are an average
9 year old!**

**You are a
busy parent.**

Appendix 7:

**ROALD
DAHL
CHARLIE
AND CHOCOLATE
THE
FACTORY**

**TV OR NOT TV?
- THAT IS THE
QUESTION!**



Once you have been given your CHARACTER CARD, answer the questions below to prepare for the debate.

Which character are you?

.....

Do you think your character is for TV or against TV?

.....

Why? Make a note of the reasons your character has the opinion they do. Remember, you are going to use these in your debate so you need to develop your answers as fully as you can.

1)

.....

.....

2)

.....

.....

3)

.....

.....

4)

.....

.....



Appendix 8:

