

Year 6 Home Learning 01.06.2020

Maths	English
White Rose Hub will be releasing daily learning to keep your brains engaged with maths. Check out their website below. https://whiterosemaths.com/homelearning/year-6/ Please find attached (on the Year 6 page) the worksheets for this week's lessons. The answers are included as well. *If you feel that your child cannot access the work as it is too difficult, please feel free to have a look at the work for the week from other year groups on the White Rose website. The worksheets will not be available but you can complete the tasks on the video and then try the BBC Bitesize activities. <u>Time Activities</u> <u>Task 1</u> On the Year 6 page there is a PowerPoint called Time lesson 1. Please read through and complete the activities. <u>Task 2</u> You then need to complete the What's the time? Task. You need to order the times given. <u>Task 3</u> Complete the time activities- conversion between 12 hour and 24 hour clock. <u>Task 4</u> On the year 6 page there is a PowerPoint called Time lesson 2. Please read through and complete the activities <u>Task 5</u> Complete the time activities- time difference.	<u>Task 1</u> Reading Comprehension. Please click on the link to find a comprehension all about famous artists. https://www.vocabularyninja.co.uk/uploads/1/1/0/0/110032277/10_11_9781472969293_preview.pdf <u>Task 2</u> What is a Limerick? Watch the video https://www.bbc.co.uk/bitesize/topics/z4mmn39/articles/zw3yw6f Note down the key aspects of a Limerick. Listen to the Limericks on this video. They might give you a few ideas! https://www.youtube.com/watch?v=oF7JoW23l4s <u>Task 3</u> Have a go at writing your own Limerick! Below there are a couple of examples and a template to help you with the structure. <u>Task 4</u> Have a go at presenting your limerick to the people you live with. Learn all of the words so that you can put on a performance. Remember to speak clearly and slowly. <u>Spelling Shed</u> Please use your logons and go onto spelling shed to complete the tasks (if you haven't got your login use the spellings from the booklet you took home)

Science

Which of these exercises has the greatest effect on our heart rate?

We would like you to carry out an experiment to see which type of exercise raises your heart rate the most.

Have a think about these questions:

- 1) Why does our heart rate increase when we exercise?
- 2) What does 'heart rate' actually mean?
- 3) How can we measure our heart rate?
- 4) What do you expect to happen to your heart rate when we stop exercising? Why?

Watch this video about heart rate <https://www.youtube.com/watch?v=b4MWrb9B0IU>

Now you need to decide what your **independent variable** is (What are you going to change?) e.g. activity

Then what is your **dependent variable**? (What you are going to measure?)

Now your **controlled variable**. (What are you going to keep the same?)

It's now time to complete your experiment.

First you need to measure your resting heart rate.

Then choose 4 different activities. Complete each activity and after each one measure your heart rate.

What do you notice?

Complete the discussion to show your findings.

Discussion

The exercise that raised my heart rate the most was _____. The graph shows that it went up to _____bpm. This is an increase of _____bpm on my resting heart rate. The exercise that raised my heart rate the least was _____. This is an increase of _____bpm on my resting heart rate.

I think the results showed this because

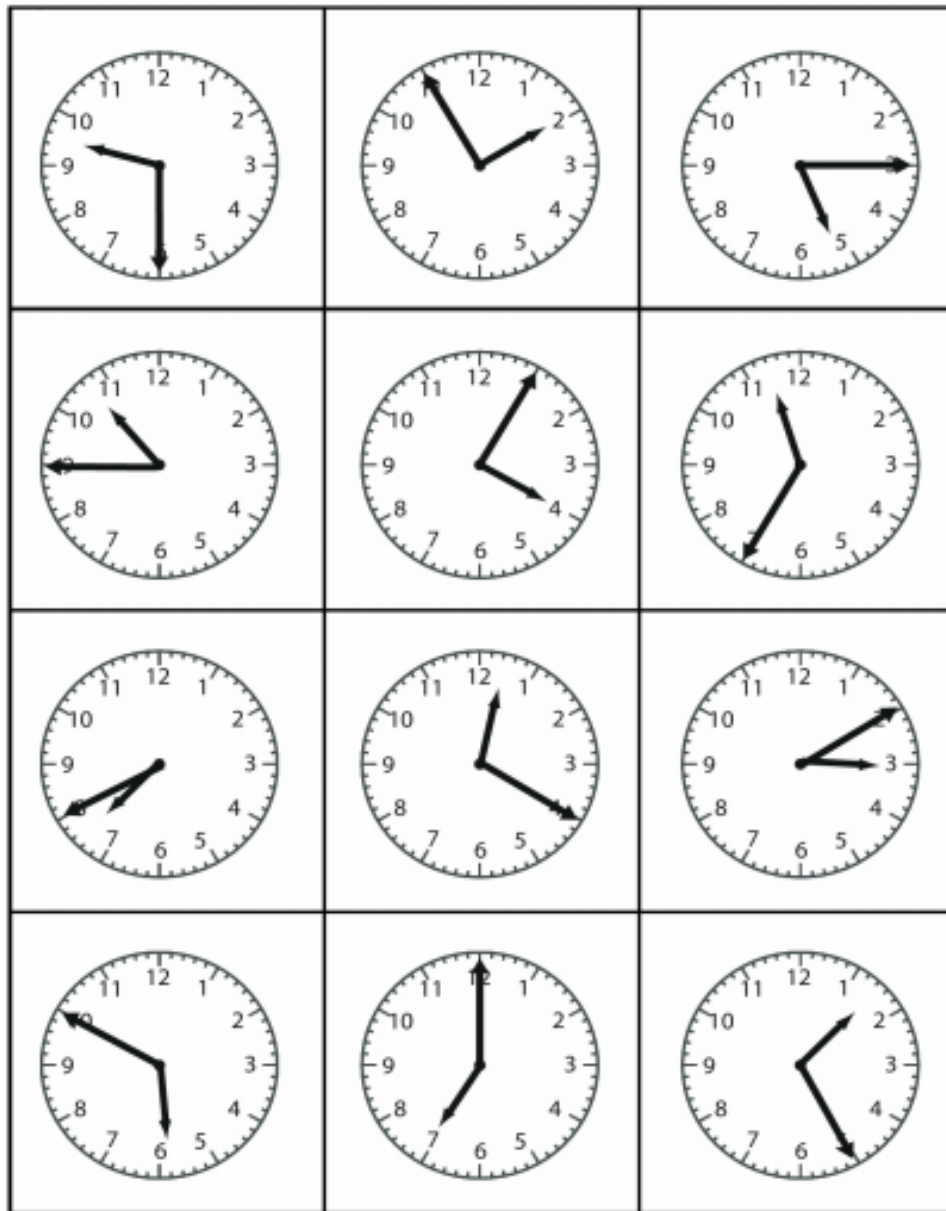
_____.

The average increase in heart rate was _____bpm.

I made sure that it was a fair test by

<u>History</u>	<u>PE</u>	<u>Art/Computing</u>
This work links with your Art work focusing on a famous artist from the past.	Please try to enjoy some daily exercise. Your science investigation this week includes exercise.	This week we would like you to complete research on one of the artists from the reading comprehension you have completed for English. We would like you (if possible) to have a go at making a PowerPoint Presentation all about them. This may include information about their life e.g. where and when they were born, examples of famous artwork etc. If you can't create a PowerPoint have a go at making an information poster.
<u>Music</u>	<u>Design and Technology</u>	<u>Geography</u>
Have a go at this Bitesize activity all about composing music with found sounds. https://www.bbc.co.uk/bitesize/articles/zdh8jhv	This week help someone at home to make a meal. What skills can you learn? It may be how to cut up vegetables carefully or how to cook a healthy meal for the whole household.	This week we would like you to have a go at the bitesize geography lesson linked. https://www.bbc.co.uk/bitesize/articles/z6p8jhv Click on the link, make your way through the videos and information and have a go at the tasks all about natural resources.

Task 2- What's the time?



<http://nrich.maths.org/7377>

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Time Cards

Half past nine	Five to two	Quarter past five
Quarter to eleven	Five past four	Twenty-five to twelve
Twenty to eight	Twenty past twelve	Ten past three
Ten to six	Seven o'clock	Twenty-five past one

Task 3- 12 and 24 hour conversions.

Fluency: Convert between 24 to 12 hour clocks

- Convert 12 to 24 hour

12 hour time	24 hour time
2:45 a.m.	
10:20 a.m.	
1:55 p.m.	
3:05 p.m.	
5:35 p.m.	
8:40 p.m.	
11:25 p.m.	

- Convert 24 to 12 hour

24 hour time	12 hour time
03:15	
11:15	
14:45	
16:20	
18:55	
21:05	
22:35	

Fluency: Convert between 24 to 12 hour

12hr and 24hr Clock Codebreaker

A	B	C	D	E	F	G	H	I	J	K	L	M
9.45pm	11.45am	15:45	15:10	13:40	10.05pm	14:15	8.40am	7.40am	2.15pm	9.45am	16:45	16:15
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
19:30	11.45pm	00:20	10.45pm	12:20	14:45	8.05pm	15:55	14:20	10.45am	8.20am	8.15am	12:20

Convert the times below, link your answers to the table above to reveal what I called my fake spaghetti:

What is "a quarter to ten in the evening" in 12 hour time?	What is 7.30pm in 24 hour time?	What is "twenty to eight in the morning" in 12 hour time?	Convert 4.15pm to 24 hour time.	What is "twenty past midnight" in 24 hour time?
Convert 21:45 to 12 hour time.	What is "quarter to three in the afternoon" in 24 hour time?	Convert 20:05 to 12 hour time.	What is "fifteen minutes to 22:00" in 12 hour time?	

Reasoning and Problem Solving: 12 and 24 hour time

Jack says,



To change any time after midday from 12 hours to 24 hours digital time just add 12 to the hours

Will this always be true? Are there any examples where this isn't the case?

Answer

Sally leaves school at the time shown. She arrives home 1 hour later. What will the time be on a 24 hour digital clock?



Answer

Three children are meeting in the park.

Rosie says,



We are meeting at 14:10.

Teddy says,



We are meeting at 02:10 p.m.

Eva says,



We are meeting at ten to two.

Will all the children meet at the same time?

Explain your answer.

Answer

Task 5

Time Duration Check Point

Depart	Journey Time	Arrive
10:40		2:05 pm
10:35		15:50
6:45 am		10:20am
11:15 pm		3:30 am
09:05		13:02
9:40am		8:30pm

Time Duration Problem Examples

1. Students arrive at school at 8:30 a.m. They get back on the buses around 3:15p.m. How long is the school day?
2. Jonas left home at 10:15 a.m. on a bicycle ride. He arrived home at 12.07pm. How long was his bicycle ride?
3. Debbie jogged with her dog from 1:14 p.m. to 3:03 p.m. She stopped for a 15 minute break. How long did she spend jogging?

Early or Late?

- 1) A clock is set right at 10a.m. But it gains 10mins in 24hours. What will be the true time if the clock shows 3pm the next day



Answer

- 2) A clock is set right at 5a.m. But it loses 16mins in 24hours. What will be the true time if the clock shows 10pm on the 4th day



Answer

Reasoning and Problem Solving



Tick and Tock

Tick's watch runs 2 minutes per hour too slow.

Tock's watch runs 1 minute per hour too fast.

They set them to the same time at midday on Sunday.

The next time they met, one of the watches was one hour ahead of the other.

What was the earliest time this could have been?

Reasoning and Problem Solving: Time difference and duration

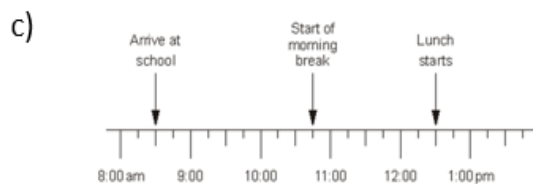


a) Patrick begins watching a film at 4:37 pm for 50 minutes. What time does the film finish?

Answer

b) Lorna has a $\frac{3}{4}$ hour drive to work every day each way. She works every day Monday to Friday. How long does she spend driving each week in hours and minutes?

Answer



How long after arriving, does morning break start?
How long it between the start of break and the start of lunch?

Answer

d) During a long flight, Beth, Carl and Kevin all had a sleep. Kevin slept for four times longer than Carl. Beth slept 15 minutes less than Kevin. Beth slept for 1 hour 45 minutes. How many minutes did Carl and Kevin sleep for?

Answers

Carl
Kevin

e) Annabel drives to Cardiff. Her journey takes her 41 minutes. She arrives at 12:05pm. What time did she set off?

Answer

f) Jane spent 20 minutes at her friend's house. She then visited her Gran at 5.00. If she got to her friend's house at 4.15 then how long did it take her to walk to her Gran's?

Answer

Reasoning and Problem Solving: Time difference and duration



Joshua watches his favourite programme. It starts at 4 o'clock and finishes at quarter to 5. The adverts in the middle were 5 minutes long.

Answer



How long was the television programme?

- He then watches another episode which is the same length as the first programme.

Which clock shows what time the programme finishes?



Answer

Isabelle can swim 2 lengths of the pool every 5 minutes. She starts swimming at 10 minutes past 9 and finishes at 5 minutes to 10.

How many lengths of the pool does she swim?
How do you know?



Answer

English Task 3- Writing a Limerick

Limerick Features

What did you notice?

Lines 3 and 4 rhyme.

Lines 1, 2 and 5 rhyme.

There once was a young man from Ealing,
Who always would hang from the ceiling.
He couldn't wear a hat,
But could hang like a bat,
And said, "What a wonderful feeling!"

Limerick Features

What did you notice?

Lines 3 and 4 are shorter, with the same number of syllables (5-6).

There once was a young man from Ealing,
Who always would hang from the ceiling.
He couldn't wear a hat,
But could hang like a bat,
And said, "What a wonderful feeling!"

Lines 1, 2 and 5 are longer and have approximately the same number of syllables (usually 8-10) in each.

Limericks follow a typical rhythm:

di DUM di di DUM di di DUM dum (3 beats)

di DUM di di DUM di di DUM dum (3 beats)

di DUM di di DUM (2 beats)

di DUM di di DUM (2 beats)

di DUM di di DUM di di DUM dum (3 beats)

Limerick Features

What did you notice?

The second line gives more details about the subject.

First lines begin with typical phrases, like this one.

There once was a young man from Ealing,
Who always would hang from the ceiling.
He couldn't wear a hat,
But could hang like a bat,
And said, "What a wonderful feeling!"

Lines 3 and 4 give us some action about the subject.

The last line is the punchline, usually the consequences of lines 3 and 4.

The first line sets up the subject, so it usually ends with the name of a person or place.

Your Turn

Can you complete this limerick template?

1. There once was a _____ from _____,
2. Who _____.
3. He _____,
4. And/but/then _____.
5. _____.

