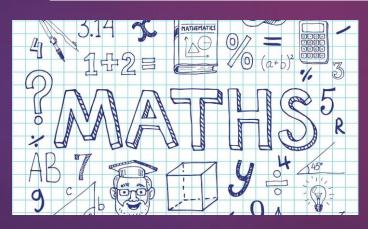
Week beginning 1st February P6/5 Maths Planner





P6/5 Maths What to expect!

- At the beginning of each week we will upload 3 PowerPoints into the January Home Learning folder on teams. Literacy, Numeracy and General.
- Teachers will be on hand to support throughout the school day.
- Teachers will host daily live meets at 9.35am and 1pm where they will talk through your task. These will be for help, support, check ins and fun will take place! Feel free to join whenever you can.
- You can work through the activities at your own pace, choosing activities you would like to complete ©

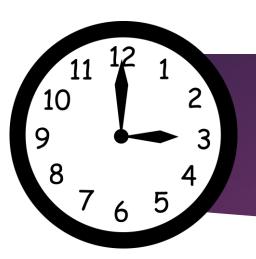
#P6/5areoutofthisworld

Suggested Timetable

P6/5 Home Learning Suggested Timetable

	9:00-9:30	9:35-12:0		Lunch 12.00 - 1:00	1.00-2.00	2.00-3.00
Monday	Move your body! Joe Wicks or Just dance	1 1 2 1 2 1 2 MAT AB 7 3 AB 7		Topic		
Tuesday	Mindfulness (Off screen activity)	LIGER	ACY			Topic
Wednesday	Move your body! Joe Wicks or Just dance	PMATH AB 7 S D Y			Topic	
Thursday	Mindfulness (Off screen activity)	LIGER	AGY		RM	E/French
Friday	Move your body! Joe Wicks or Just dance	**************************************	CIGERACY			Topic

Your Teacher will be Live on Teams every day at 9:35am and 1pm



LI: to tell the time in a variety of different formats

(analogue, digital, 12 hour/24 hour)

Starter – Daily 5

Pyramids

1.
$$3372 \div 6$$

- 2. 2/7 of 63
- 3. 238 x 21
- $4. (13 \times 9) + 231$
- 5. 1403
- <u>- 247</u>

Cubes

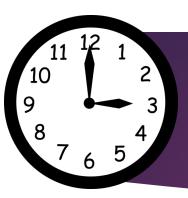
- 1. 18 ÷ 3
- 2. $\frac{1}{4}$ of 24
- 3. 3 x 4
- 4.6 x 3
- 5. 13
- <u>- 7</u>

Cuboids

- 1. $64 \div 4$
- 2. 1/5 of 35
- 3.7 x 6
- 4. 4 x 9
- 5. 245
 - <u>- 57</u>

Spheres

- $1.182 \div 7$
- 2. 2/6 of 36
- 3. 224 x 6
- 4. 327 x 9
- 5. 513
- <u>- 147</u>



Time

01.02.21

Pyramids

Starter Daily 5

Main Task
Teejay 2a
Complete:
Q1 - Q6

Finisher
Online Game
Options
(on the slide after pyramid's work)

Cubes

<u>Starter</u> Daily 5

Main Task
Teejay 1a
Complete: Q1

Finisher
Online Game
Options
(on the slide
after pyramid's
work)

Cuboids

Starter Daily 5

Main Task
Teejay 1a
Complete:
Q3 and the RevisitReview-Revise

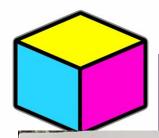
Finisher
Online Game
Options
(on the slide after pyramid's work)

Spheres

Starter Daily 5

Main Task
Teejay 1b
Complete:
Q2, Q3, Q4

Finisher
Online Game
Options
(on the slide
after pyramid's
work)



Cubes

01.02.21

Telling the Time

Remember: - There are 60 minutes in an hour.

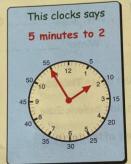
When the big hand is between the 6 and the 12 we say it is to the (next) hour.



When the big hand is between the 12 and the 6 we say it is past the (last) hour.

This clocks says

10 minutes past 7





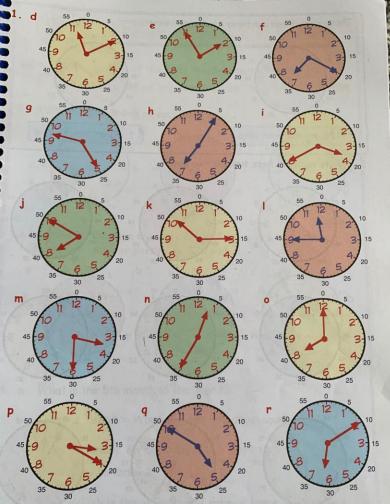
Exercise 2

1. Write down the time on each clock :-









12. Draw some clock faces of your own .

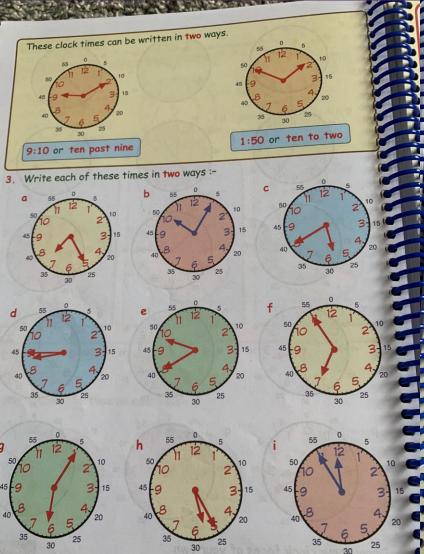
Show the different times of the day when you do things.





Cuboid

01.02.21



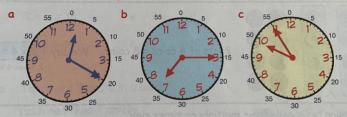


Revisit - Review - Revise

- 1. a Write the days of the week in order starting on Monday
 - b Write the months of the year in order.
- 2. Write the time shown on each clock:-



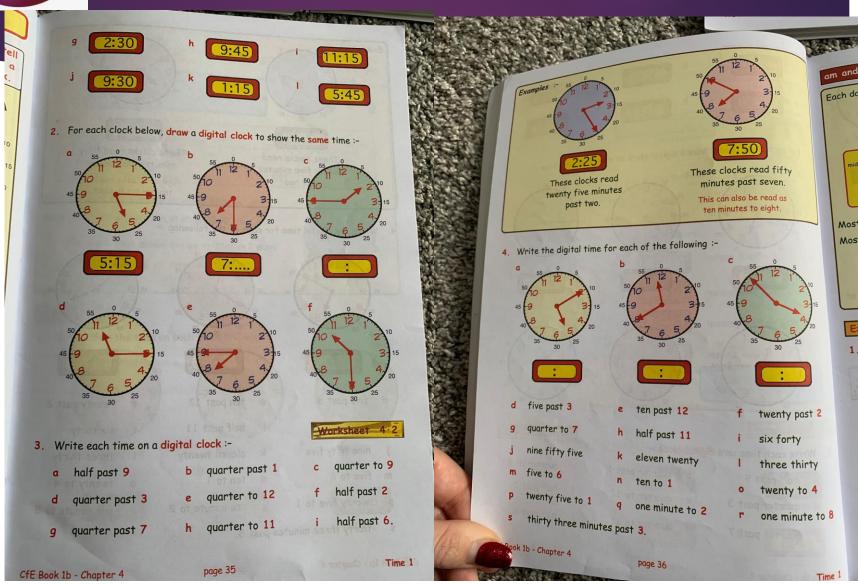
 Write down the time on each clock in 2 ways:-(Example - quarter past 8 or 8.15 pm)



- 4. a What is the 5th month of the year?
 - b Today is Tuesday. What day was it 3 days ago?
 - c Today is Sunday. My birthday is in 6 days time.
 When is my birthday?
 - d It is 1 o'clock in the afternoon. I arrived home 3 hours ago.

 At what time did I arrive home?

Spheres 01.02.21





Pyramids

01.02.21

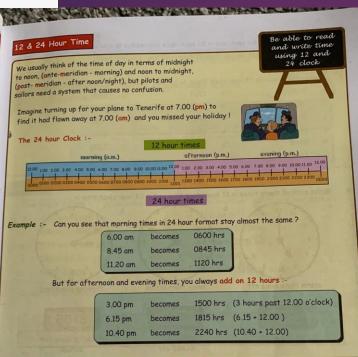
Example:

Answ

Exercise

1. How

a

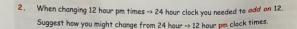


Exercise 2

1. Change the following 12 hour clock times to 24 hour clock times (eg 7.10 am -> 0710):-

this is page 29

-	-					
	a	8.40 am	Ь	3.55 am	C	5.00 am
	d	3.30 pm	e	2.15 pm	f	8.00 pm
	g	5.45 am	h	10.20 pm	i	4.35 am
	j	9.55 am	k	noon	1	12.20 am
	m	12.20 pm	n	9.30 pm	0	7.55 am
	P	11.30 pm	9	11.32 pm	r	7.36 am
	s	10.58 pm	+	11.19 am	u	8.48 pm
	V	2.01 am	w	2 01 nm		midnight



Change the following 24 hour clock times to 12 hour clock times (remember am and pm) $_{\odot}$

a	0330	ь	1150	C	0910
		U		f	2235
d	1535	e	1750	194	2040
9	0230	h	1835		0750
j	1902	k	1200		2000000
m	0445	n	1625	0	2325
	500000	n	77	r	0305
P	2205	9	0050	u	2348.
5	1135	+	1940	u	20101

Write each of these times in 12 hour clock time and in 24 hour clock time :-





school

thinking about bed home from school

2:05	3:0
uring the night	football m

kicked off

8:05 ready to leave for

The US Airways plane left New York at 9.50 pm and touched down at Gatwick at 5.35 am. Write these times in 24 hour form.



One evening in April, the sun set at 2115 and rose the following morning at 0525. Write these times in 12 hour form.

6. Katie had three appointments in her notebook. She arrived at the hospital at 9.20 am, the optician at quarter to one and her lawyer at 4.05 pm

a For each appointment write whether she was on time or she was late.

b How many minutes late or early was she for each appointment?





CfE Book 2a - Chapter 4

Time

CfE Book 2a - Chapter 4

this is page 30



Time

25.01.21

Online Game Finishers

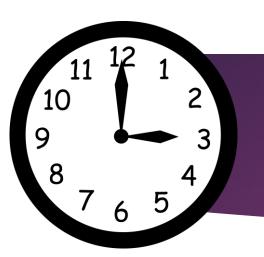
https://www.topmarks.co.uk/Flash.aspx?f=matchingpairstimev3

https://www.sheppardsoftware.com/math/time/clock-splat-game/

https://mathsframe.co.uk/en/resources/resource/261

https://mathsframe.co.uk/en/resources/resource/118/adding_time_word_problems#

http://www.scootle.edu.au/ec/viewing/L9643/index.html



LI: to calculate the length of time it takes between two intervals

Starter

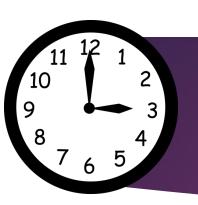
Morning Challenge

A security door has a code using the digits 2, 0, 1 and 7.

How many different combinations of these digits could there be to open the door?

How can you be sure that you have found all the combinations?





Time 03.02.21 Simple Time Intervals

Working out a time interval means:

Being given two different times and calculating the length of time in between the two.



Time 03.02. Simple Time Intervals

Let's do these together...

- 1. I start my homework at 7.15pm and finish it at 7.30pm. How long does it take me to do my homework?
- 2. I go swimming at 9.45am. I swim for half an hour. What time is it when I finish swimming?
- 3. I leave the house at 3.05pm. It takes me 42 minutes to walk to my friend's house.

What time do I arrive at her house?



Time

03.02.21

Pyramids

<u>Starter</u> Morning Challenge

Main Task
Teejay 2a pg. 31
Short Time
Intervals (full
exercise)

<u>Finisher</u>
Time Question on the next slide – verbally

type out why.

record yourself or

Cubes

<u>Starter</u> Morning Challenge

Main Task
Time Intervals
Worksheet –
drawing the hands
on the clock

Finisher
Time Question on the next slide – verbally record yourself or type out why.

Cuboids

<u>Starter</u> Morning Challenge

Main Task
Teejay 1b
Simple Time Intervals
pg.40

Challenge: Timetables pg. 41 Q1 & Q2

Finisher

Time Question on the next slide – verbally record yourself or type out why.

Spheres

<u>Starter</u> Morning Challenge

Main Task
Teejay 1b: pg 42
Q3-5

Challenge: Teejay 2a pg. 31 Q1-Q3

<u>Finisher</u>

Time Question on the next slide – verbally record yourself or type out why.



Cubes

03.02.21

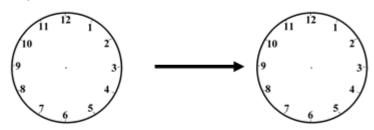
Name: Date:

Time Intervals

Jake leaves home at <u>4 o'clock</u>. It takes <u>an hour</u> for Jake to get to his Gran's house. What time will he get there?



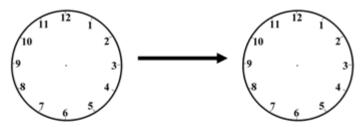
Mum puts a cake in the oven at <u>1 o'clock</u>. It takes <u>an hour</u> to bake. What time will it be ready?



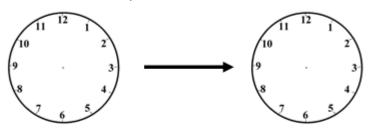
I start to watch TV at 7 o'clock. The programme lasts <u>one hour</u>. What time will it finish?



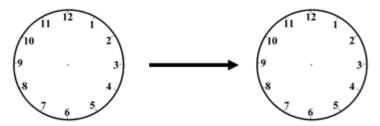
I go for a walk at half past 3. It takes me one hour. What time do I come back?



A Maths lesson starts at half past 9. It lasts for one hour. What time does it finish?

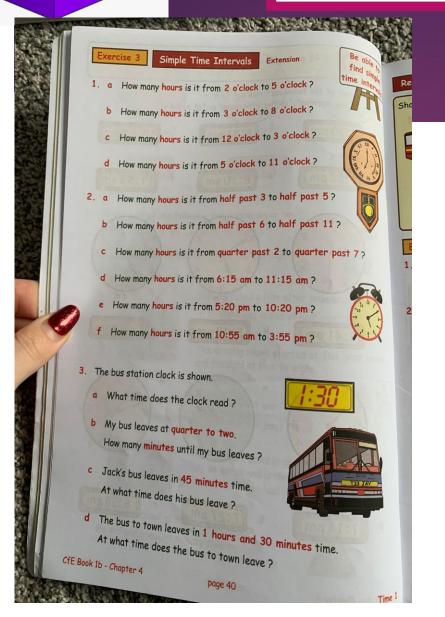


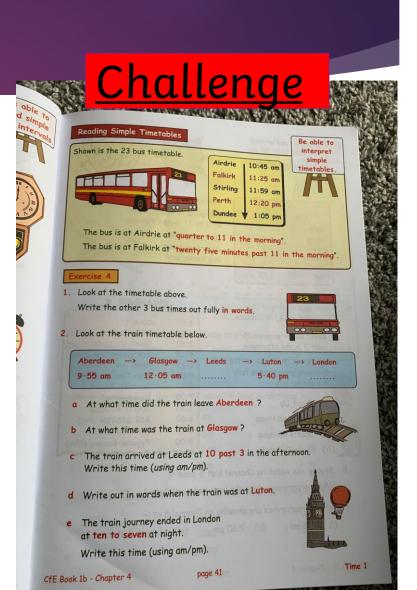
A family go out for a meal at <u>6 o'clock</u>. They are out for <u>2 hours</u>. What time do they get home?



Cuboid

03.02.21





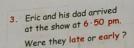


Spheres

Clock t

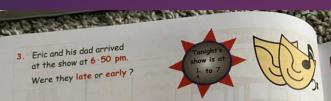
id pm) :-

03.02.21





Malaga 11:40 am Palma 12:35 pm Barcelona 1:05 pm Ibiza 2:50 pm Tenerife 3:20 pm Nice



Amy's mum is checking her flight time. Her plane to Malaga leaves at 5 to 11 in the morning.

CHANNEL 6

Olivio (R)

Royal Ascot

Count-Up (game show

Ace Adventura (film)

Away And Home

Tea-Time News

Scottish Report

Sports Roundup

News In Brief

BIG SISTER (live)

Pyjama-Banana (film)

Seven-Alive

Write the other departure times in a similar way.

3:05

3:25

3:50

4:15

5:25

5:50

6:25

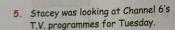
7:05

7:35

8:00

8:50

9:00



a Royal Ascot is on at 25 past 3 in the afternoon.

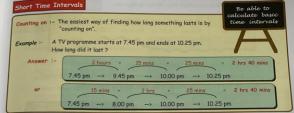
> Write out the times of the following programmes fully in a similar way :-

- (i) Count-Up
- (ii) Away And Home
- (iii) Sports Roundup
- (iv) News In Brief

b Stacey was watching Channel 6 at 5 past 4. Which programme must she have been watching?

- Which programmes are showing on Channel 6 at :-
 - (i) 5:35 pm
- (ii) 7:50 pm
 - (iii) $\frac{1}{4}$ past 8 at night?

Challenge

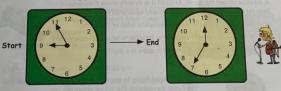


Exercise 3

- How long is it from :- (show which method you used to "count on" in obtaining your answer)
 - midday to 5.30 pm 0820 to 1025 1855 to 2020 j 2240 to 0300 (next day). 1950 to 2105
- Calculate the finishing times of the following films :-

	Film A	Film B	Film C	Film D	Film E
Start Time	3.30 pm	5.45 pm	8.35 pm	11.35 am	11.30 pm
Show lasted	2 hr 30 mins	2 hr 40 mins	2 hr 45 mins	55 mins	3 hr 45 mins

The two clocks show when a gig started and finished one Saturday evening.



For how long did the gig last?

Ian Fraser set off on the Greenock Marathon at 10.35 am. He arrived at the finish line at 2.14 pm.

How long had Ian taken to run the marathon?

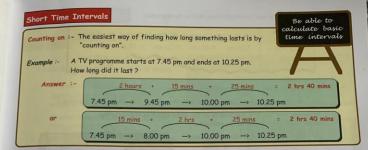


CfE Book 2a - Chapter 4

this is page 31

Pyramids

01.02.21



Exercise 3

id pm) :-

- 1. How long is it from :- (show which method you used to "count on" in obtaining your answer)
 - 3.05 pm to 6.05 pm
- 10.00 am to 12.30 am
- midday to 5.30 pm
- 8.30 pm to 11.35 pm
- 7.55 am to 9.25 am
- 4.40 am to 10.15 am

0820 to 1025

1855 to 2020

1950 to 2105

- 2240 to 0300 (next day).
- Calculate the finishing times of the following films:-

	Film A	Film B	Film C	Film D	Film E
Start Time	3.30 pm	5.45 pm	8.35 pm	11.35 am	11.30 pm
Show lasted	2 hr 30 mins	2 hr 40 mins	2 hr 45 mins	55 mins	3 hr 45 mins

this is page 31

- End

3. The two clocks show when a gig started and finished one Saturday evening.







Time

For how long did the gig last?

CfE Book 2a - Chapter 4

Ian Fraser set off on the Greenock Marathon at 10.35 am. He arrived at the finish line at 2.14 pm.

How long had Ian taken to run the marathon?



wn is part of the bus timetable from Malton to Highrose.

UW	1101-		_		Fenton -	➤ Highrose
		Malton -	► Lugton-	10.30 am	11 15 am	2.00 pm
	Early Bus	7.10 am	8.20 am	10.30 am		5.55 pm
	Late Bus	11.05 am	12.15 am		CYMPA	~

- How long does the early bus take to travel from :-
- (iii) Malton to Highrose? (i) Malton to Lugton (ii) Blythe to Fenton
- Assuming that the late bus travels at the same speed as the early bus,
- when would it be expected to arrive at :-
- (Hint | Notice how long (i) Blythe the early bus takes







A cargo ship leaves Dunbar Harbour at 4.48 am and does not reach its destination till quarter to 6 at night.

For how long had the ship been at sea?

A plane leaves Edinburgh Airport at 2150 on Thursday.

It touches down in Mexico at 0735 (British time) on Friday.

a How long did the flight take?

On the flight back the plane took the same flight time and left at 0840 (British Time).

- At what time did the plane arrive at Edinburgh?
- A satellite circles the earth. At 0335 it is directly above Cumbernauld. It is then found to be above Cumbernauld again at 0710.
 - Calculate the time taken for 1 complete orbit of the earth.
 - When would you next expect the satellite to be over Cumbernauld?
 - How many complete orbits will it make in a day?



Joe challenged Penny to see who could paint one side of the fence surrounding the village green quicker.

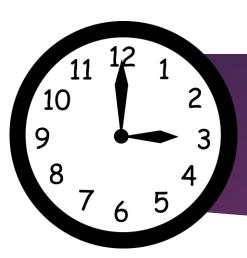
Joe started his side at 1045 and completed his task at 1305.

Penny began to paint the other side at 1350 and finished at 1505. Who was quicker and by how many minutes?

CfE Book 2a - Chapter 4

this is page 32





<u>Finisher</u>

03.02<mark>.2</mark>1

Why do you think time goes faster when you are having fun, but seems to slow down when you are doing something that is not fun?

05.02.21

LI: to develop

- basic modelling skills
- your skills in testing and analysing result



Friday 5th February STEM Challenge

Introduction

In this task you will need to **build**, **test** and **improve** different paper airplane designs.

Model testing tells Engineers how a design responds in different circumstances, in this case you will see how your model reacts to different air conditions and aircraft shapes.

Using small models guides engineers to discard prototypes that do not work, saving both time and money.

Success Criteria (steps to success):

I can:

- create at a paper models of 3 different aeroplanes to use in experiments
- test and record the flight distance of each design in the tables provided
- take pictures of your models, attach them to your PowerPoint and submit via Microsoft Teams

You will need:

A4 Paper or Card
A straight edge (optional to help with neat folds)
A phone or camera to take pictures and upload

Steps...

Create

You can design your own aeroplanes or follow the guides found on this website:

https://www.foldnfly.com/#/1-1-1-1-1-2



Fly

Fly each design three times, recording the distance and the length of time in the air, for each attempt.

Upload a picture of each of your designs.



Evaluate

Complete the evaluation questions.

Plane 1

CHALLENGE:

To calculate the average, add all three attempts together and divide by 3. You can use a calculator.

Plane 1	Distance	Time in air (seconds)
Attempt 1		
Attempt 2		
Attempt 3		
Average		

Plane 2

CHALLENGE:

To calculate the average, add all three attempts together and divide by 3. You can use a calculator.

Plane 2	Distance	Time in air (seconds)
Attempt 1		
Attempt 2		
Attempt 3		
Average		

Plane 3

CHALLENGE:

To calculate the average, add all three attempts together and divide by 3. You can use a calculator.

Plane 3	Distance	Time in air (seconds)
Attempt 1		
Attempt 2		
Attempt 3		
Average		

Evaluations

Evaluation 1

What design travelled the furthest, and why do you think this happened?

Evaluation 2

What design spent the longest time in the air, and why do you think this happened?