

Hurworth School
Maths Department

Y6 Bridging Work
2020

Name:.....

Lesson Times

When you come to join us at Hurworth School the times for the school day are as follows:

Time	School Day
8:50am	Make your way to form bell
8:55am	Morning registration
9:10am	First Lesson
10:10am	Second Lesson
11:10am	Break
11:25am	Third Lesson
12:25pm	Lunch
1:15pm	Make your way to form bell
1:20pm	Afternoon registration
1:25pm	Fourth Lesson
2:25pm	Fifth Lesson
3:25pm	Head to buses/collect phones etc.
3:30pm	End of the school day

There are two methods for recording time.

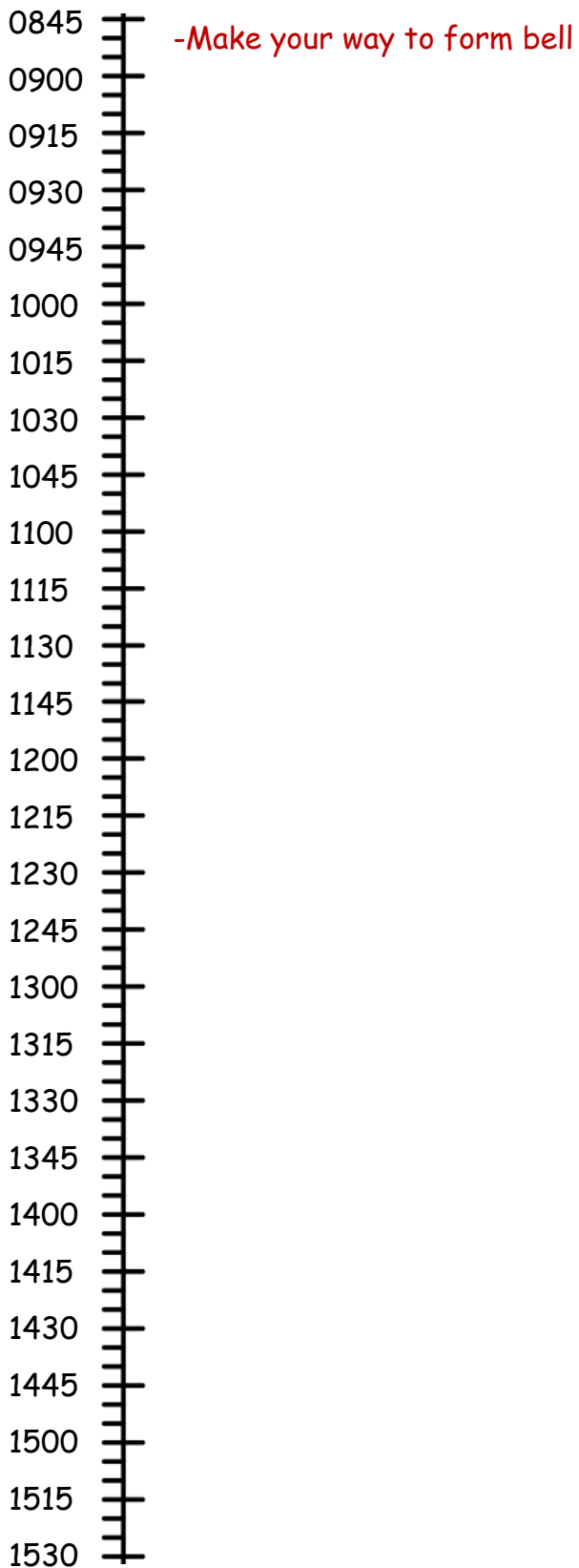
Do you know what the above method called?

Timeline

Another way would be to use a timeline.

Put the times shown for the school day on the timeline below, using 24-hour clock.

(The first one is done for you)



Week 1 or week 2?

Hurworth operates a two week timetable, so you need to know if you are following a week 1 or a week 2.

This information will be clear in your planner, which you will receive on your first day with us.

You can also find this information on our website.

See if you can find the 'Term Dates' tab on the Hurworth School website.

It looks like this:

Important Dates 2020
[Click here to download a pdf](#)

KEY				
Week 1	Week 2	Holiday	Inset Day (closed to students)	Weekend

JANUARY 2020						
Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

FEBRUARY 2020						
Mo	Tu	We	Th	Fr	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

MARCH 2020						
Mo	Tu	We	Th	Fr	Sa	Su
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

APRIL 2020						
Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

MAY 2020						
Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JUNE 2020						
Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

JULY 2020						
Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

AUGUST 2020						
Mo	Tu	We	Th	Fr	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

School timetable

Here is an example of a timetable for a year 7 student.
The top grid is week 1, the bottom grid is week 2.

Timetable Year 7 student as at 23/05/2019

	1Mon	1Tue	1Wed	1Thu	1Fri
1	Computina ASI LRC	Maths NSN R27	Science MWN L5	Georaphy BWT R14	R.S. NDS R37
2	Science MWN L5	PSHEC KMY R6	Maths AJG R22	Spanish CNN R16	Georaphy BWT R14
3	P E DDS	D & T HLK	Spanish CNN R16	Music JWI R35	Enalish CJN R31
4	Enalish CJN R31	Science MPY L2	Art ACS R30	Maths NSN R27	Science MPY L2
5	Georaphy BWT R14	History LBN R13	Enalish CJN R31	Enalish CJN R31	Maths NSN R27

	2Mon	2Tue	2Wed	2Thu	2Fri
1	Maths NSN R27	Maths NSN R27	Georaphy BWT R14	Enalish CJN R31	R.S. NDS R37
2	Computina ASI LRC	D & T HLK	Computina ASI LRC	P E DDS	Music JWI R35
3	Enalish CJN R31	Science MPY L2	D & T HLK	Maths NSN R27	P E DDS
4	PSHEC KMY R6	Spanish CNN R16	Maths NSN R27	Art ACS R30	Maths AJG R22
5	History LBN R13	P E DDS	History LBN R13	Science MPY L2	Enalish CJN R31

ACS: Miss A L Christophers
AJG: Mr A P Jobling
ALE: Mr A P Liddle
ASI: Mrs A E Simmons
BWT: Mrs E A Wright
CJN: Mrs C Judson
CNN: Miss C Nixon
DDS: Mr D Douglas

HLK: Mrs H L Lovick
JWI: Mrs J Wilson
KMY: Mrs K O Marsay
LBN: Mrs S L Bum
MPY: Mr M C Parry
MWN: Dr M P Wilson
NDS: Mrs N L Douglass
NSN: Miss N Syson

Reading a timetable

Use all the information you have so far to answer the following questions.

1. On which day in week 1 does the class have to bring their P.E. kit?

.....

2. Which lesson does the class have lesson 4 on Thursday week 2?

.....

3. Where does the class have their Spanish lessons?

.....

4. How many lessons of maths does the class have altogether in a fortnight?

.....

5. Which teachers do the class have for science?

.....

6. What does R.S. mean?

.....

7. How long is the morning break?

.....

8. How long does lunchtime last?

.....

9. Make a list of all the different lessons the class has.

Underline any that are new to you.

.....

.....

.....

.....

.....

Frequency Tables

Using the timetable, tally the lessons in the frequency table below.

Tally marks are recorded in blocks of 5, e.g. ||||

Frequency means total.

Type of Lesson	Tally	Frequency
Art		
Computing		
D & T		
English		
Geography		
History		
Maths		
Music		
P.E.		
PSHEC		
R.S.		
Science		
Spanish		
	Total	

Create a timetable

Now use the frequency table to create your own timetable.

You must have the same number and type of lessons but you can choose when the lessons appear on the timetable.

Week 1

	1	2	3	4	5
Mon					
Tues					
Wed					
Thurs					
Fri					

Week 2

	1	2	3	4	5
Mon					
Tues					
Wed					
Thurs					
Fri					

Puzzles

The Mathematics Department at Hurworth run a weekly numeracy challenge. Prizes are given out to the winning tutor groups of each year group each half-term.

Try the puzzles below for a taster before you come to this school in September.

Puzzle 1

Which one of the following numbers is the odd one out?

50

68

31

24

18

Answer: _____

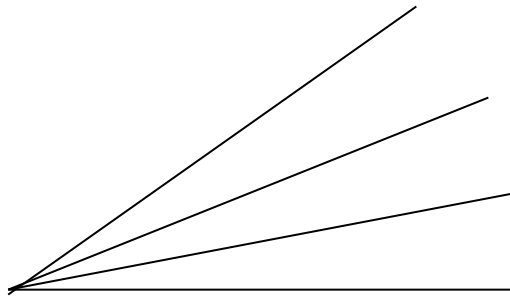
Puzzle 2

Find four consecutive odd numbers which add up to a total of 80.

Answer: _____

Puzzle 3

How many acute angles can be found in this drawing?



Answer: _____

Puzzle 4

What is the missing number?

2	5
	3
?	11

Answer: _____

Puzzle 5

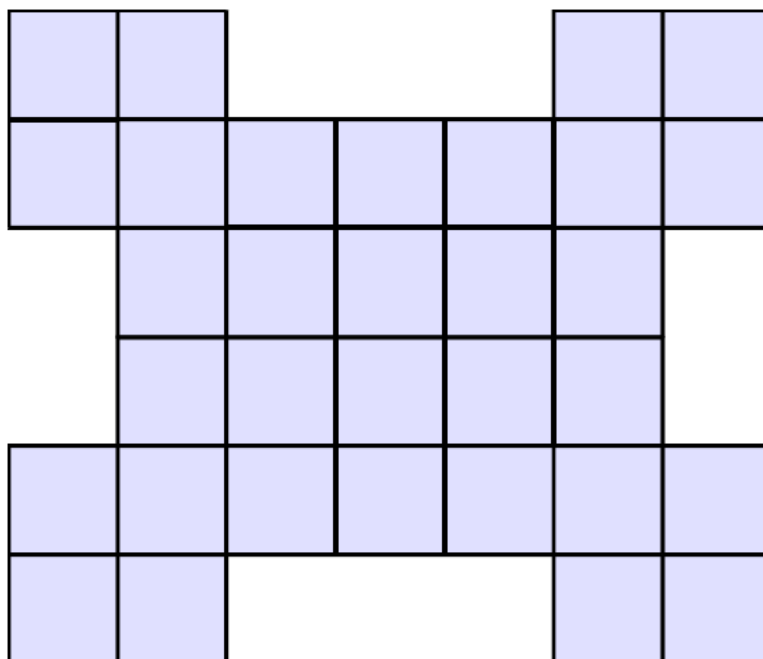
Put 9 dots in a square, as shown.



Can you go through all 9 dots with only 4 straight lines?
You can't take your pen off the paper. You can start at any place.

Puzzle 6

a) How many squares can you count in this pattern?



Puzzle 7

Two brothers (Milo and Noah) lived together and shared two things in common; they were both short and they were both very forgetful.



After having misplaced/lost the key to their apartment on several occasions, they decided that instead of bringing the key with them, they would instead hide the key on top of the door frame. Unfortunately, neither Milo nor Noah were tall enough to reach the top of the door frame. So they devised a system.

The older brother, Milo, stood on the shoulders of his younger brother, Noah and was able to just reach the top of the door frame (and the hiding spot for their key).

Noah was significantly smaller than his older brother, so why would the bigger, older brother stand on the smaller, younger brother's shoulders?

Note: this is not a trick question (it's not because the older brother was mean or because the younger brother was in a wheelchair or didn't have any arms).

Puzzle 8

Two boys were having fun in the school playground at lunchtime.

The school bell rang, signalling that lunchtime was over. As they turned to head back to class, a gust of wind scooped up some dirt off the ground and blew it right in their face.



When the wind stopped, one boy's face was covered with dirt, while the other boy's face was perfectly clean.

But it was the boy with the clean face who rushed to the washroom to wash his face, while the boy with the dirty face went straight to class.

Assuming both children had equally good hygiene habits, can you explain this strange behaviour?

Puzzle 9



You have a small coin, an empty wine bottle, and a cork.

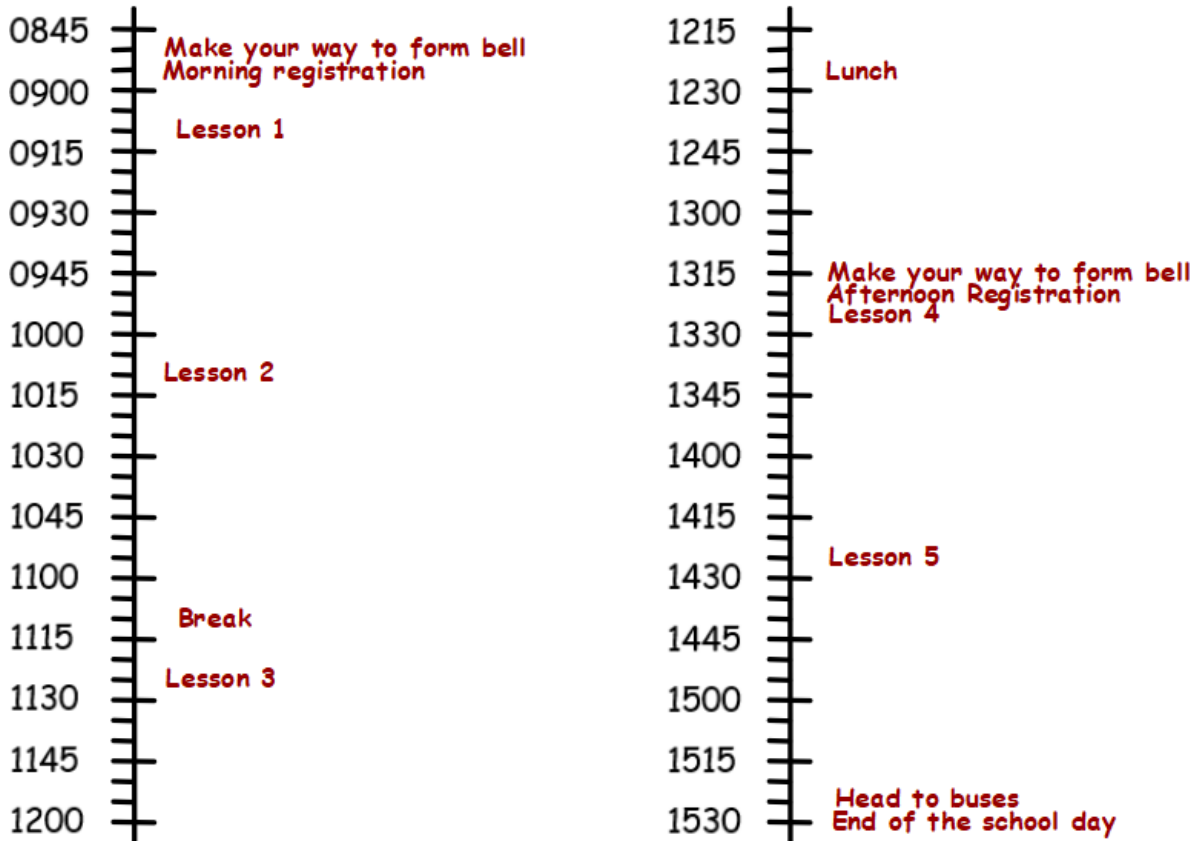
If you put the coin in the bottle and replace the cork into the neck of the bottle, how can you get the coin out without taking out the cork or breaking the bottle?

Answers:

Here are the answers to all the key tasks and the puzzles. Check how well you have done!

Timeline

Put the times shown for the school day on the timeline below, using 24-hour clock.



Reading a timetable

1. On which day in week 1 does the class have to bring their P.E. kit?
Monday
2. Which lesson does the class have lesson 4 on Thursday week 2?
Art
3. Where does the class have their Spanish lessons?
Room 16
4. How many lessons of maths does the class have altogether in a fortnight?
9
5. Which teachers do the class have for science?
Mr Parry & Dr Wilson

6. What does R.S. mean?

Religious Studies

7. How long is the morning break?

15 mins

8. How long does lunchtime last?

55 mins

9. Make a list of all the different lessons the class has. Underline any that are new to you.

Art	Music
Computing	P.E.
D&T	PSHEC
English	R.S.
Geography	Science
History	Spanish
Maths	

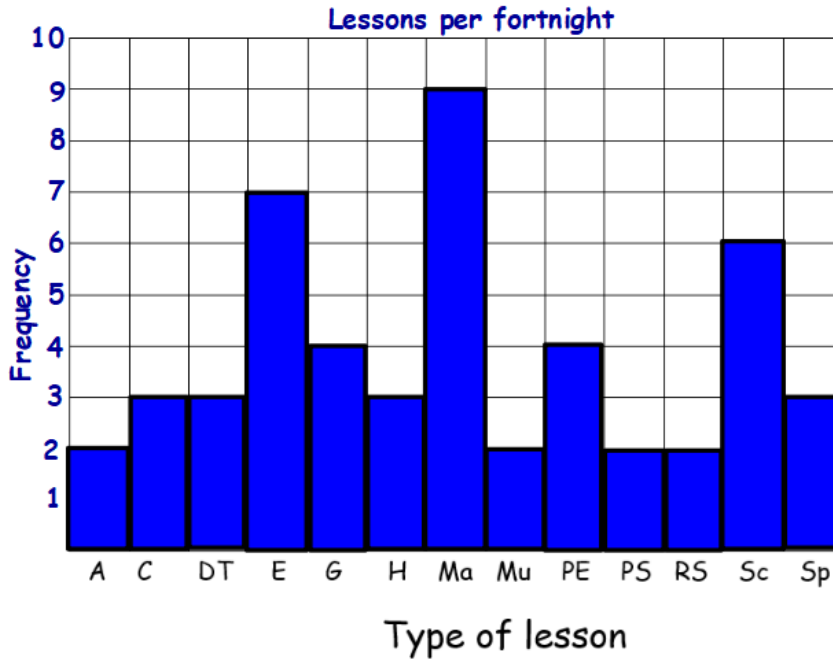
Frequency Tables

Using the timetable, tally the lessons in the frequency table below.

Type of Lesson	Tally	Frequency
Art		2
Computing		3
D & T		3
English	 	7
Geography		4
History		3
Maths	 	9
Music		2
P.E.		4
PSHEC		2
R.S.		2
Science	 	6
Spanish		3
	Total	50

Barcharts

Now draw a Bar Chart to show the different lessons the class have in a fortnight.
Remember to label the frequency and to put a title on your graph.



Puzzles

Puzzle 1

31, as it is the only odd number

Puzzle 2

17, 19, 21, 23

Puzzle 3

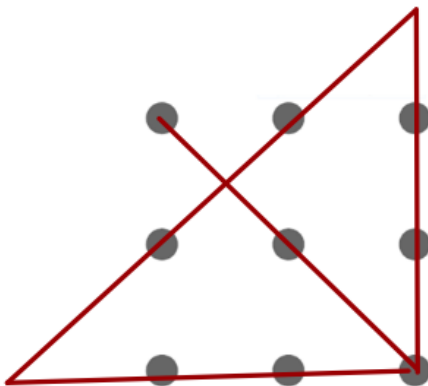
6

Puzzle 4

7 (prime numbers)

Puzzle 5

Puzzle 6



$$\begin{array}{r} 32 \quad 1 \times 1 \\ 16 \quad 2 \times 2 \\ 6 \quad 3 \times 3 \\ 2 \quad 4 \times 4 \\ \hline 56 \end{array}$$

Puzzle 7

Milo was TALLER and therefore had longer arms. Had the shorter brother, Noah, stood on the shoulders of the taller brother, Milo, he would not have been able to reach the top of the doorframe.

Puzzle 8

The boy with the clean face saw that his friend had a dirty face and assumed his face was dirty as well (and conversely, the boy with the dirty face saw his friend had a clean face and assumed his face was clean as well).

Puzzle 9

Push the cork into the bottle and shake out the coin.