

Year 6 Maths Home Learning

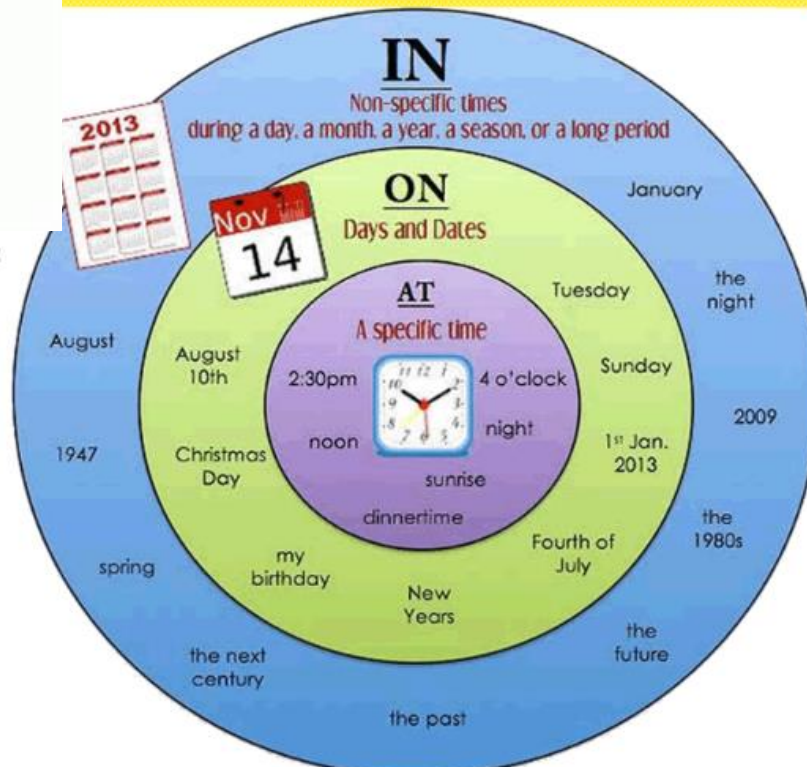
Week eight includes:

- Maths I do you do – read the Time - timetables PowerPoint (40 minutes)
- Practice questions (30 minutes)
- Evidence questions (40 minutes)
- Reasoning questions (as long as it takes!)



Non-Specific
↑
AT
Specific

Prepositions of time



Practice Questions

Use the table to answer the questions.

Planet	Time for Revolution	Diameter (km)	Time for Rotation
Mercury	88 days	4,878	59 days
Venus	225 days	12,104	243 days
Earth	365 days	12,756	24 hours
Mars	687 days	6,794	25 hours
Jupiter	12 years	142,984	10 hours
Saturn	29 years	120,536	11 hours
Uranus	84 years	51,118	17 hours
Neptune	165 years	49,500	17 hours

- How many planets take more than one day to rotate?
- Which planets take more than one year to make one revolution?
- Write the diameter of Jupiter in words.
- Make up some questions for a friend to answer

Answer the questions using information from the table.

City	Leeds	Wakefield	Bradford	Liverpool	Coventry
Population	720,000	316,000	467,000	440,000	305,000

- What is the difference between the highest and lowest population?
- Which two cities have a combined population of 621,000?

This two way table shows the staff at Liverpool police station.

	Male	Female	Total
Constable	55	24	79
Sergeant	8	5	13
Inspector	2	4	6
Chief Inspector	1	1	2
Total	66	34	100

- How many female inspectors work there?
- How many male sergeants work there?
- How many constables are there altogether?
- How many people work at Liverpool police station?
- How many male inspectors and female constables are there altogether?
- How many people in total are ranked below inspector?

This table shows how many football games teams have won and lost. Fill in the totals and write your own questions to interpret the information.

	Man United	Liverpool	Chelsea	TOTAL
Lost	36	42	29	
Won	174	76	126	
TOTAL				

Evidence Questions

This table shows how many children own dogs and cats.

Fill in the missing gaps and answer the questions below.

	Boys	Girls	Total
Dogs		44	
Cats	38		
Total	125		245

- How many more boys have dogs than girls?
- How many more girls have cats than dogs?
- How many more children have dogs than cats?

	100 m sprint (s)	Shot put (m)	50 m Sack Race (s)	Javelin (m)
Stephen	15.5	6.5	18.9	11.2
Julie	16.2	7.5	20.1	13.3
Fred	15.8	6.9	19.3	13.9
Chris	15.6	7.2	18.7	14.1
Dora	17.9	6.3	18.7	13.3

Dora thinks that she won the 100 m sprint because she has the biggest number.

Do you agree?
Explain your answer.

Use the timetable to answer the questions.

Bus Timetable						
Halifax	06:05	06:35	07:10	07:43	08:15	
Shelf	06:15	06:45		07:59	08:31	
Shelf Village	06:16	06:46	07:23	08:00	08:32	
Woodside	06:21	06:50	07:28			
Odsal	06:26	06:55	07:33	08:15	08:45	
Bradford	06:40	07:10	07:48	08:30	09:00	

- On the 06:35 bus, how long does it take to get from Shelf Roundabout to Bradford Interchange?
- Can you travel to Woodside on the 07:43 bus?
- Which journey takes the longest time between Shelf Village and Bradford Interchange, the bus that leaves Shelf Village at 06:46 or the bus that leaves Shelf Village at 07:23?
- If you needed to travel from Halifax Bus Station to Odsal and had to arrive by 08:20, which would be the best bus to catch? Explain your answer.
- Which journey takes the longest time from Halifax Bus Station to Bradford Interchange?

120 people were asked where they went on holiday during the summer months of last year.



Use this information to create a two way table.

In June, 6 people went to France and 18 went to Spain.

In July, 10 people went to France and 19 went to Italy.

In August, 15 people went to Spain.

35 people went to France altogether.

39 people went to Italy altogether.

35 people went away in June.

43 people went on holiday in August.

Reasoning

Here is Rosie's weekly timetable from secondary school.

Y7CM	Daily Assembly (09:00 - 09:15)		Break (10:45 - 11:05)		Lunchtime (12:45 - 13:45)			
Monday	1 09:15 - 09:55	2 09:55 - 10:45	3 11:05 - 11:55	4 11:55 - 12:45	5 13:45 - 14:35	6 14:35 - 15:25		
Tuesday	Literacy	English	Maths	I.C.T.	P.S.H.C.E.	Geography		
Wednesday	English	Art	French	Science	D.T.			
Thursday	Literacy	D.T.	Art	Drama	I.C.T.	Science		
Friday	P.E.	Maths	R.E.	English	History	P.S.H.C.E.		
	Literacy	Maths	Art	Science		P.E.		

True or False?

- Rosie has 2 hours and 20 minutes of PE in a week.
- Rosie has 130 minutes of literacy in a week.
- Rosie does Art for the same length of time as Maths each week.
- Rosie does Art for the same length of time as English each week.

NatureWatch		NatureWatch +1		QuizTime		Cookery Channel	
5 p.m.	News	5 p.m.	Puppy Playtime	5 p.m.	Talk the Talk	5 p.m.	Cheese Please
5:30 p.m.	Weather	6 p.m.	News	5:30 p.m.	Quizdom	6 p.m.	Cook with Lydia
5:45 p.m.	Deep Blue	6:30 p.m.	Weather	6 p.m.	What's the Q?	6:30 p.m.	Pizza Pasta Pietro
6 p.m.	Pampered Pets	6:45 p.m.	Deep Blue	6:30 p.m.	aMAZEment	6:45 p.m.	5 Minute Menu
7 p.m.	Safari	7 p.m.	Pampered Pets	7:30 p.m.	Buzzed Out	7 p.m.	Budget Baker
8:15 p.m.	Animal Antics	8 p.m.	Safari	8 p.m.	Guess the Noise	8 p.m.	Lots of Lollies
9:15 p.m.	Worldly Wonders	9:15 p.m.	Animal Antics	9 p.m.	Dance & Decide	9:15 p.m.	Biscuit Bites

Ron wants to watch the following TV programmes: Cheese Please, What's the Q, aMAZEment, Budget Baker, Safari, Dance & Decide.

Will Ron be able to watch all the shows he has chosen?

It is 18:45. How long is it until 'Guess the Noise' is on?