

Maths Home Learning week 10:
Time – Hours, Minutes,
Seconds, Days, Weeks, Months,
Years .

Week Beginning: 15/6/2020

Summer Term Week 10:

L.O. Time – Hours, Minutes, Seconds, Days,
Weeks, Months, Years.

- Step 1: Understand how days, months and years are related
- Step 2: Finding complements and intervals of 60

Step 1:

Learning Objective: Understand how days, months and years are related

- Success Criteria:
 - Know the relationships between days, months and years.
 - Know how many days are in each month.
 - Use rhymes, songs or other ways to remember the numbers of days in a month.

Step 1:

Learning Objective: Understand how days,
months and years are related

Can you use a calendar to fill in the blanks?

Thirty days hath _____, _____, _____ and _____

All the rest have thirty-one

Except _____ alone

That has twenty-eight days clear

And twenty-nine each leap year.

Step 1:

Learning Objective: Understand how days, months and years are related

- Now listen to the 'months of the year' rhyme and fill in the blanks using the information from the calendar.
- Can you memorise this rhyme?

Thirty days hath _____, _____, _____ and _____

All the rest have thirty-one

Except _____ alone

That has twenty-eight days clear

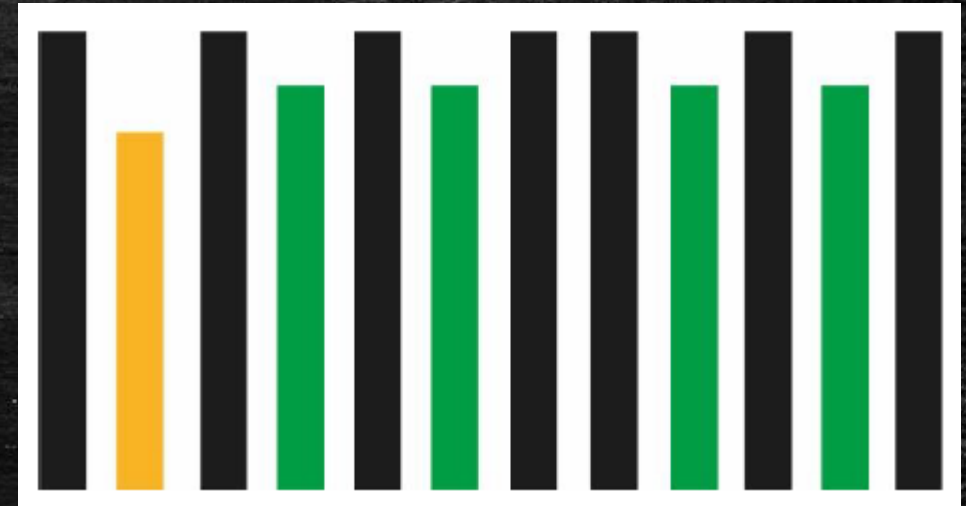
And twenty-nine each leap year.



Step 1:

Learning Objective: Understand how days, months and years are related

- This pattern shows the number of days in each month.
- Which month is the yellow column?
- Use the pattern and a calendar decide if the following statements are always, sometimes or never true:
 - *Months with the same number of days are never next to each other.*
 - December and January have the same number of days.
 - *More months have 31 days than do not.*
 - *If I add the days in two consecutive months together, the sum of the days will be odd.*



Step 1:

Learning Objective: Understand how days, months and years are related

February						
				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			

Every 4 years, February has 1 extra day.

This is because the earth takes slightly longer than 365 days to orbit the sun and every 4 years 1 day is added to make up for this .

This year is a leap year and there were 29 days in February 2020

- <https://www.bbc.co.uk/newsround/17211067>

FEBRUARY / 2020						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					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	

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Step 1:

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There are 24 hours in a day. Why can't we add a quarter of a day each year instead of having leap years?

The day would be 6 hours longer because a $\frac{1}{4}$ of 24 is 6.

The days and nights would all be messed up. We can't change the time it gets dark.

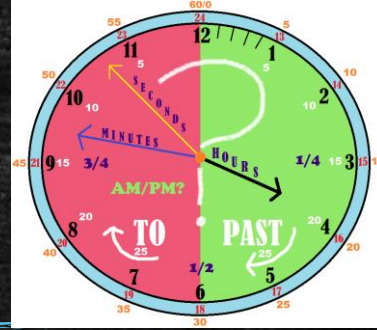
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Step 2:

Learning Objective: Finding complements and intervals of 60

- Success Criteria:
- XByS

Step 2:
Learning Objective: Finding complements and intervals of 60



If the value of the yellow hexagon is 60 minutes, what is the value of the red shape?



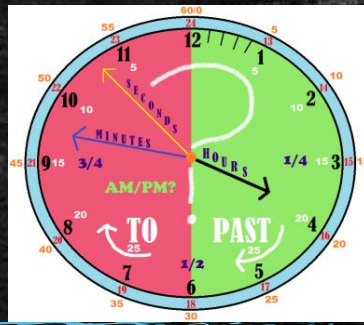
I can fit two of the red shapes into the yellow hexagon.

The red shape is 30 minutes. There are two groups of 30 minutes in 60 minutes.

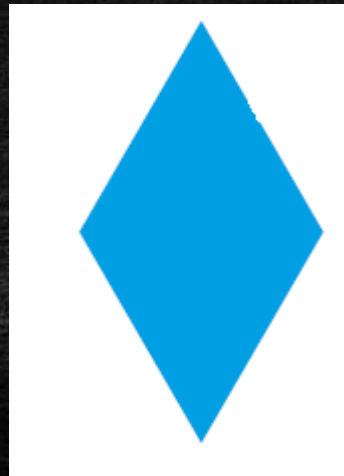
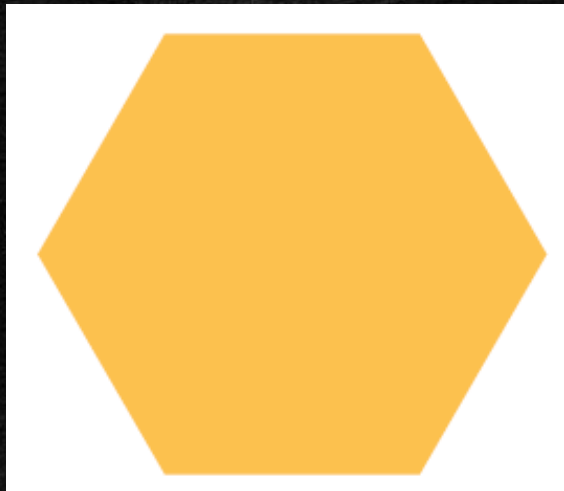


Step 2:

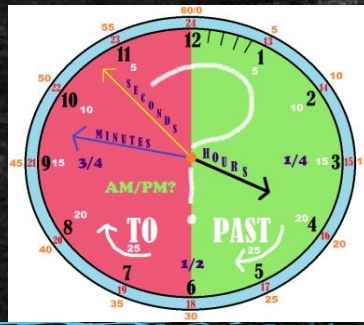
Learning Objective: Finding complements and intervals of 60



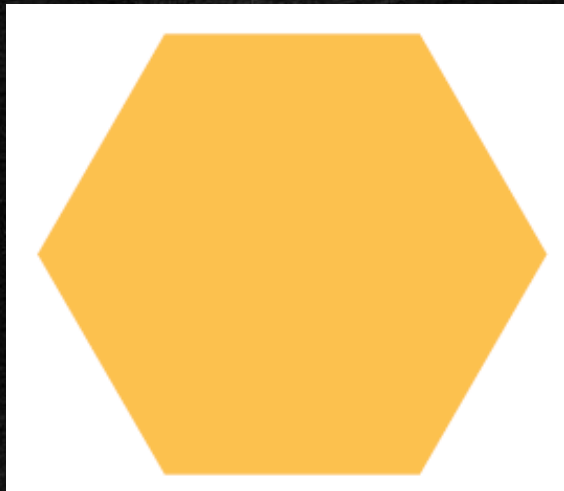
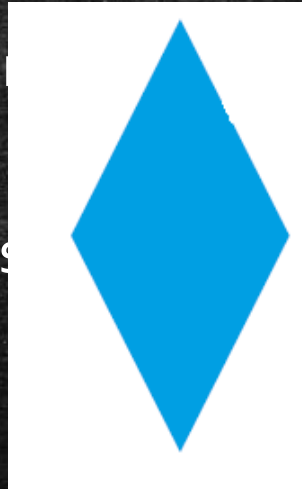
- If the yellow hexagon is 60 minutes. What would the values of the blue rhombus and green triangle be?
- Could you use the size of the blue rhombus or green triangle to figure it out?



Step 2: Learning Objective: Finding complements and intervals of 60

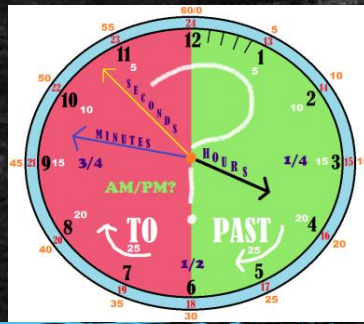


- We can see that the blue rhombus is the same size as the yellow hexagon.
- How many minutes are the rhombus equal to?



Step 2:

Learning Objective: Finding complements and intervals of 60



- We can see that 6 green triangles are the same size as the yellow hexagon and are equal to 60 minutes.
- What is the value in minutes of each green triangle?

