Wednesday Activity: Time

Key facts to remember when answering questions:

1 minute = 60 sec (secs)   7 days = 1 week (wk)

1 hour (hr) = 60 minutes (mins)   52 wks = 1 year (yr)

24 hrs = 1 day   12 months (mths) = 1 yr

Please <u>choose</u> the level that best suits you: green, pink or purple.

Why not <u>challenge yourself</u>? Do more than one level.

An <u>extension for all levels</u> is provided after the purple level

Green

1. Complete the models.

A.

1 leap year

100 days   ____ days

B.

4 weeks = _____ days

C.

104 weeks = _____ years

D.

5 days

60 hours   ____ hours

VF
HW/Ext

2. Find the mistake in these conversions. Correct them.

	Days	Weeks		Minutes	Hours
A	21 days	4 weeks	D	540 minutes	9 hours
B	49 days	7 weeks	E	1,200 minutes	20 hours
C	91 days	14 weeks	F	840 minutes	16 hours

VF
HW/Ext

3. What date or time is it now?

Sophia: I went on to the cinema on 4th May. It's now 3 weeks later.

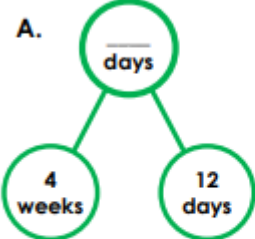Clive: I start school at 8:30am. It lasts for 360 minutes.
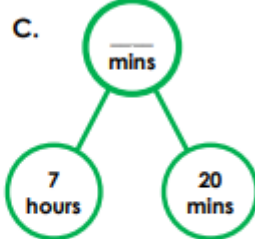
Pink

4. Complete the models.

A.

```
____ days
 ├── 4 weeks
 └── 12 days
```

B. 40 days = 5 weeks and ____ days

C.

```
____ mins
 ├── 7 hours
 └── 20 mins
```

D. 2 years = 12 months and ____ days

E.

500 minutes	
8 hours	____ mins

F.

40 months	
____ months	2 years

5. Find the mistake in these conversions. Correct them.

	Months	Years and months		Minutes	Hours and Minutes
A	30 months	3 years 0 months	D	100 minutes	1 hour 50 minutes
B	25 months	1 year 13 months	E	220 minutes	2 hours and 100 minutes
C	46 months	3 years and 10 months	F	430 minutes	6 hours and 30 minutes

6. What date or time is it now?

Kane: I went on holiday on the 17th July. It's now 100 days later.

Rebecca: I started watching a film at 6:00pm. It lasted 128 minutes.

Lee: My birthday was 7th June. Its now 3 months and 10 days later.

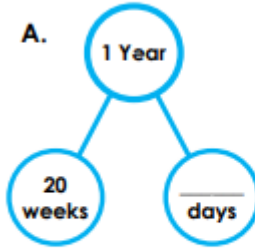**Zac:** I woke up at 7:30am on Monday. It's now 50 hours later.

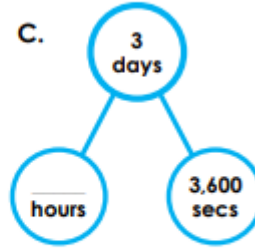RPS
HW/Ext

Purple

7. Complete the models.

A. 1 Year → 20 weeks, _____ days

B. 1 Leap Year = _____ hours

C. 3 days → _____ hours, 3,600 secs

D. 10.5 days = _____ minutes

E.

17.5 hours	
900 mins	___ secs

F.

1.5 years	
1,080 hours	_____ days

VF
HW/Ext

8. Find the mistake in these conversions. Correct them.

	Days	Hours and Minutes		Minutes	Hours and Seconds
A	3.5 days	70 hours and 840 minutes	D	500 minutes	8 hours 1000 seconds
B	5.25 days	120 hours and 180 minutes	E	325.5 minutes	5 hours 150 seconds
C	16 days	348 hours and 2160 minutes	F	430 minutes	6 hours 4200 seconds

VF
HW/Ext

9. What date or time is it now?

Cliff: I went on holiday on the 4th August at 17:30. It lasted for 200 hours.

Huma: I started watching a film at 18:15:?0. It lasted for ?,?60 seconds.

Beth: I was born 14th March 03:14. My twin brother was born 1,560 seconds earlier.

Randol: I send an email to my friend at 11:16:24. It took 100.5 minutes to arrive.

RPS
HW/Ext

⭐ Extension for all levels ⭐

Discussion activity:

What is the best way to tackle this problem? There is more than one answer and more ways than one to work through the problem, so there are various answers! One answer is provided so it can guide your discussion, if you need it.

1. Mary wants to book a holiday in May. She needs to be back at home for work by the 27th May at 08:30 at the latest. Investigate which holidays she could book. Which is the longest holiday she can book?

Destination	Departure Time	Duration
Italy	9th May 13:50	17.5 days
Turkey	10th May 09:45	200 hours
Greece	9th May 20:45	$2\frac{1}{2}$ weeks
Morocco	11th May 11:35	480 hours
Spain	13th May 02:50	21 days 8 hours
France	19th May 21:00	175 hours

Her boss changes his mind and says that she can come back to work a week later. Which is the longest holiday she can go for now?

DP

(One answer is on the next page …)

One way to answer the extension question:

1. Mary wants to book a holiday in May. She needs to be back at home for work by the 27th May at 08:30 at the latest. Investigate which holidays she could book. Which is the longest holiday she can book?

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Various possible answers, for example: She could book Italy as she would be back on 27th May 01:50. She could not book Greece as she would be back on 27th May 08:45.
Her boss changes his mind and says that she can come back to work a week later. Which is the longest holiday she can go for now?
A week later would be 3rd June so she could now go to Morocco as she would be back on 31st May at 11:35 but not to Spain as she would be back on 3rd June at 10:50.

DP