<u>Bronze</u>

600 seconds = 10 minutes 2a. False: 28 days > 3 weeks 3a. A 4a. 60 minutes 2 hours 180 minutes 4	 1b. 48 months < 5 years 2b. Yes, Zairah is correct. There are 60 seconds in 1 minute. 3 x 60 = 180 so there are 180 seconds in 3 minutes. 3b. Leticia has the longest nap at 240 minutes. 	
Silver		
 5a. 132 minutes = 2 hours 12 minutes; 90 minutes = 1 hour 30 minutes; 188 minutes = 3 hours 8 minutes 6a. False: 4 years 6 months = 54 months 7a. A 8a. 610 seconds, 10 minutes 20 seconds, 10 minutes 30 seconds, 650 seconds 	 4b. 55 months < 66 months = 5 years 6 months 55 months < 5 years 6 months = 66 months 5b. No, Ravi is incorrect. There are 24 hours in 1 day therefore Lily is going to the beach in 1 day and 11 hours. 3 x 24 = 72 and 72 + 5 = 77 so 3 days and 5 hours = 77 hours. 6b. Aamina finishes the race last as she takes 270 seconds. 	
Gold		
9a. 3,600 seconds = 1 hour; 1,800 second = 0.5 hours; 5,400 seconds = 1.5 hours; 2,700 seconds = 0.75 hours 10a. True 11a. A 12a. 0.75 hours, 4,500 seconds, 98	7b. Various possible answers: for example, 192 hours = 8 days > 1,440 minutes < 7 days 8 days = 192 hours > 1,440 minutes < 7 days 1,440 minutes < 192 hours = 8 days > 7 days 7 days > 1,440 minutes < 192 hours = 8 days 8b. Yes, Oscar is correct. There are 60 minutes in 1 hour. 3 x 60 = 180. There are 60 seconds per minute so 180 x 60 = 10,800 9b. Lexi has trained for the shortest time as	
minutes, 100 minutes, 6,060 seconds, 2.5 hours	156 weeks = 3 years.	

<u>Challenge</u>

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	9 th May 13:50	17.5 days
Turkey	10 th May 09:45	200 hours
Greece	9 th May 20:45	2 ¹ / ₂ weeks
Morocco	11 th May 11:35	480 hours
Spain	13 th May 02:50	21 days 8 hours
France	19 th May 21:00	175 hours

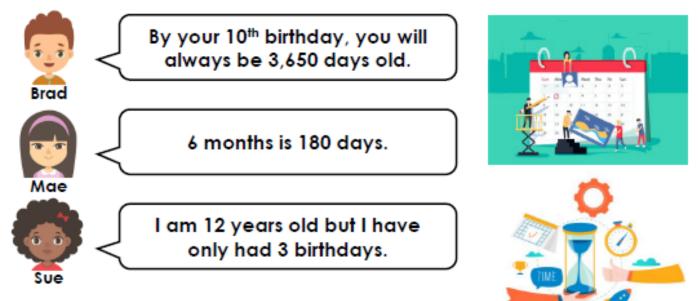




Various possible answers, for example: She could book Italy as she would be back on 27th May 01:50. She could not book Greece as she would be back on 27th May 08:45. Her boss changes his mind and says that she can come back to work a week later. Which is the longest holiday she can go for now?

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.

2. Explore and discuss the statements below.



Who do you agree or disagree with? Explain why. Various possible answers, for example:

I disagree with Brad as he hasn't counted the extra day during the leap years. I disagree with Mae as the months have a different number of days and there are not 6 consecutive months that add up to exactly 180 days.

I agree with Sue as if she was born on the 29th February, which happens once every 4 years, she would only have 3 birthdays.