

## MATHS BRAINTEASER

Hello everybody, and welcome to Week 9 of the RMS Weekly Maths Brainteasers. Here was last week's teaser and solution, which was that Tick and Tock will next meet up at 8.00 am on Monday. Well done to everybody who gave it a go.

### The RMS Weekly Maths Brainteaser

#### Week 8 Tick Tock

Tick's watch runs 2 minutes per hour too slow  
Tock's watch runs 1 minute per hour too fast

They set them to the same time at midday on Sunday. The next time they met, one of the watches was one hour ahead of the other.

What was the earliest time they could have met?



Please send your answer with your name and form to Mr Pooles at [graham.pooles@rmays.com](mailto:graham.pooles@rmays.com). The correct answer will be revealed at the end of next week, along with another brainteaser!

Tick's watch is 2 minutes slow per hour, Tock's is 1 minute fast per hour, so Tock's watch is faster than Tick's watch by 3 minutes per hour.

Correct time	Tick's Watch	Tock's Watch	Difference
12:00	12:00	12:00	-
13:00	12:58	13:01	3 minutes
14:00	13:56	14:02	6 minutes

They get 3 minutes further apart after each 1 hour.

They will be 60 minutes further apart after 20 hours.

20 hours after midday on Sunday is 8 am on Monday.

Good luck with this week's teaser...

Mr Pooles

# The RMS Weekly Maths Brainteaser

## Week 9 Strength in Squares

Mr Square was born in a year that was a square number. He lived a good life, and when he passed away, he had lived for a square number of years. What is even more remarkable is that the year in which he died was also a square number.

**When was Mr Square born?**

\*Assume that Mr Square was born after William the Conqueror



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