

NUMERACY CHALLENGE

ACCESS MATHS

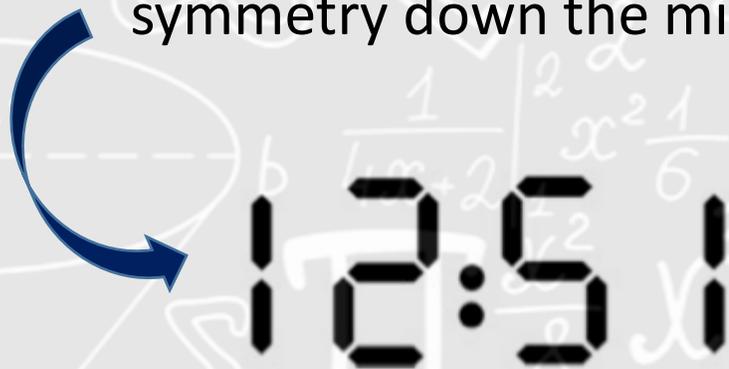


LEVEL 1

LEVEL 2

NUMERACY CHALLENGE

The first challenge is to find times on a 24 hr digital watch/clock that have this line of symmetry down the middle.



The time reads the same forwards as it does backwards!

This is just as good because when you show someone else your watch [with your watch upside down to them], you find it can say the same time.



The second challenge is to find times on a 24 hr digital watch/clock that have rotational symmetry (ignoring the dots)

NUMERACY CHALLENGE



An hourglass keeping track of elapsed time.

The hourglass was one of the earliest timekeeping devices and has become a symbol of the concept of time through the ages.

Mandeep's watch loses two minutes every hour.

Adam's watch gains one minute every hour.

They both set their watches from the radio at 6:00 a.m. then start their journeys to the airport.

When they arrive (at the same time) their watches are 10 minutes apart.

At what time (the real time) did they arrive at the airport?

NUMERACY CHALLENGE LEVEL 2

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LEVEL 1

Here are a few solutions I found!

Please take this opportunity to work with students who you have identified that struggle to tell the time to work with them, even just for a few minutes to discuss a few basic timekeeping skills. If you would like a worksheet please drop me an email and I can send something over to you.

01:10	12:51
02:50	15:21
05:20	20:05
10:01	21:15
11:11	22:55

LEVEL 2

The time where the 2 watches are 10 mins apart is 9:20.

Every hour the difference between the two watches increases by 3 minutes

At 7 o'clock they're 3 mins apart

At 8 o'clock they're 6 mins apart

9 o'clock, 9 mins.

For 1 minute you divide 1 hour by 3, as 20 is 3 times as small as 60.

Then you add 9:00 and 0:20 to make 9:20, which is when they are 10 mins apart.