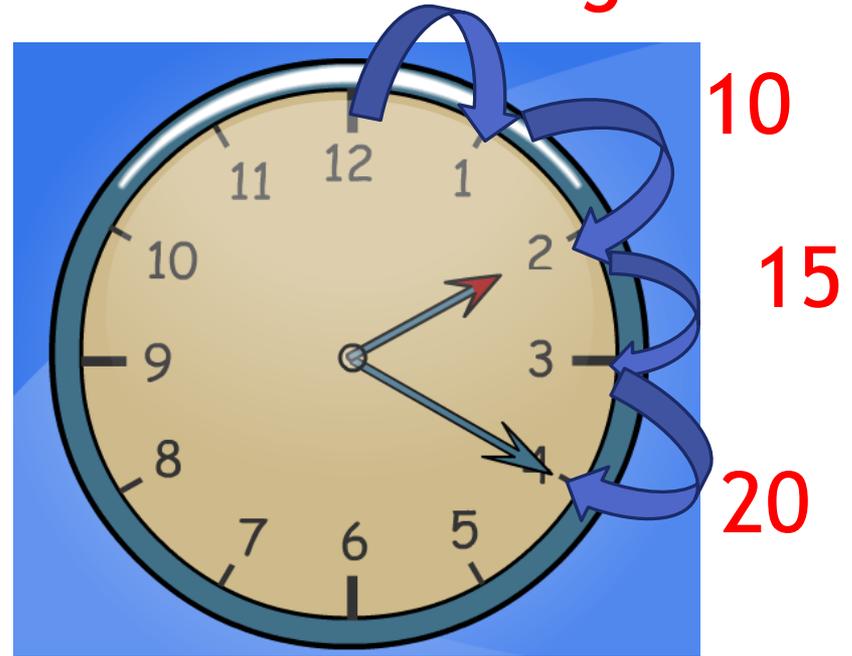


Time Duration in Minutes 5



- Here the minute hand starts at 0'clock and moves to twenty minutes past
- It passes 4 numbers
- Count in fives as each arrow appears

Time Duration in Minutes



* How many minutes have passed?

* 2.10

* 2.25



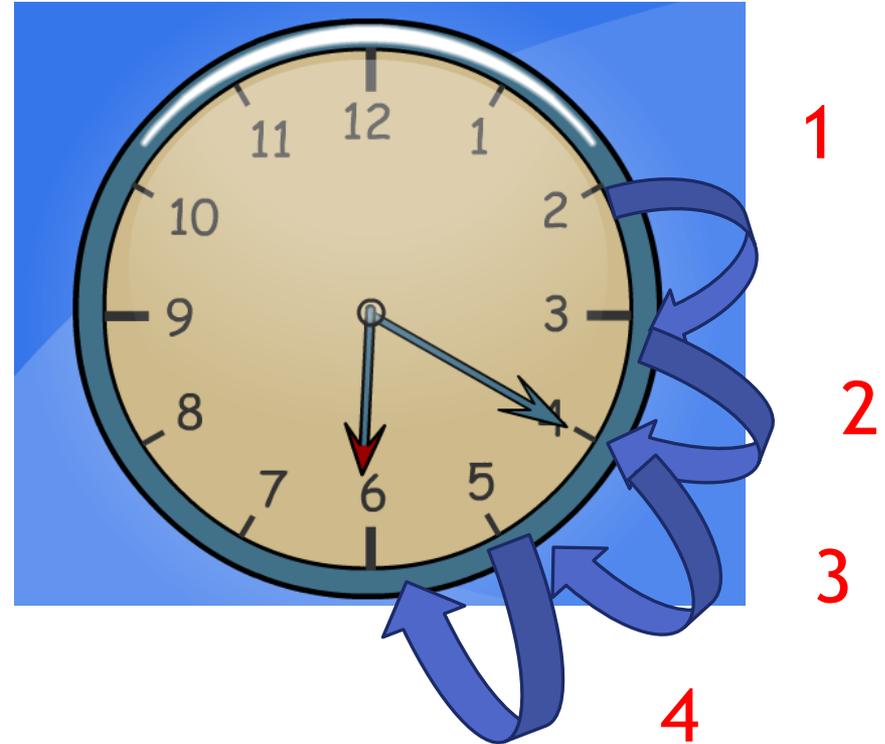
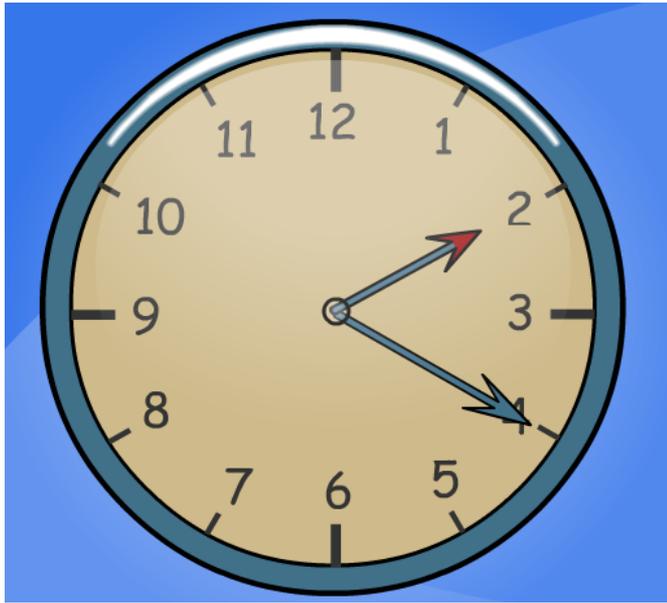
If the hour has not changed we can simply subtract the minutes.

To work out how many minutes have passed from 2.10 to 2.25 we can simply work out $25 - 10$.

The answer is 15 minutes.

You can also try to picture the time on analogue clocks, then use the method we tried before.

Time Duration in Hours



- Remember the hour hand is the shortest hand
- As hours pass we count in ones
- Here the hour hand moves from 2 to 6
- Count one for each arrow

4hour and 20 minutes have passed



Start with the minutes

Count in fives

How many minutes have passed?

Now count the hours

Count in ones

How many hours have passed?

20 minutes

4 hours

* How many hours and minutes have passed?

* 2.25

* 4.50

If the minutes at the start are smaller than the minutes at the end then you can:

- Work out how many minutes have passed
- $50 - 25 = 25$
- Work out how many hours have passed
- $4 - 2 = 2$
- 2 hours and 25 minutes have passed

* A Tricky Example



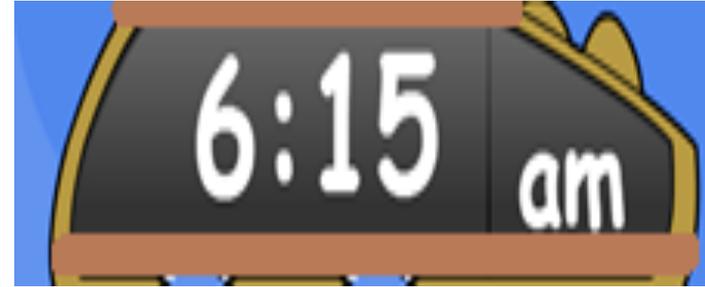
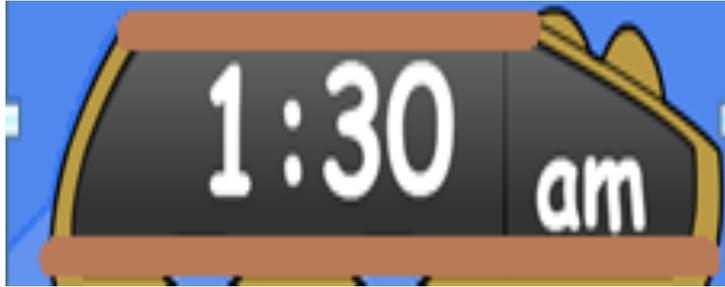
When the minutes on the finishing time is smaller than the minutes on the starting time we have a TRICKY EXAMPLE

This is a TRICKY EXAMPLE because 10 minutes past is smaller than 25 minutes past

A quick method for the tricky example -

- Count on the minutes - here
 - From 25 minutes past to 10 minutes past is 45 minutes
- Now count on the hours
 - From 3 to 9 is 6 hours
 - But take off **one hour**
 - So that leaves 5 hours
- Here 5 hours and 45 minutes have passed

*Tricky Example Explained



- Why is this a tricky example?
 - How many minutes have passed from 30 minutes past the hour to 15 minutes past the next hour?
 - How many hours have passed from 1 to 6?
 - What do we need to do to adjust the hours past in the tricky example?
 - How much time has past from 1.30 to 6.15?
- 15 is smaller than 30
 - 45 minutes
 - 5 hours
 - Take off one hour
 - 4 hours and 45 minutes