



I am 19:50  
... add 45 minutes to me

## DIGITAL CLOCK loop cards

### Instructions

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- 1 Distribute the cards among the pupils. There are 18 cards in the set ie one card each for a class of 18. If you have more pupils in your class, you can ask some pupils to share; alternatively, if you have fewer than 18 pupils in your class, you can ask some pupils to hold two cards.
- 2 It doesn't really matter which card you use to start off the loop but let's say for example you choose the card with 7:15 on it. The pupil with this card should read out, '*I am 7:15 . . . add 20 minutes to me*'. The pupil with 7:35 on his card should now read out '*I am 7:35 . . . add 25 minutes to me*'. The next pupil should now read out, '*I am eight o'clock . . . add 4 hours to me*'. After this, the pupil with 12:00 on his card should read out, '*I am 12 o'clock (or I am 12 noon) . . . take 40 minutes away from me*'. Pupils should continue in the same way until eventually one of them reads out, '*I am 9:15 . . . take 2 hours away from me*', to which the very first pupil should respond with, '*I am 7:15*'. This completes the loop.
- 3 You will need to run through the loop several times before the pupils become familiar with it; at this stage you can introduce the stopwatch and start timing the whole process. Parallel forms can compete against each other or individual forms can keep trying to beat their previous 'best times'. To make the thing run smoothly there have to be some basic rules as follows.
- 4 Each pupil must be allowed to finish speaking before the next pupil begins. When two pupils are sharing a card both must speak at once when it is their turn. Pupils must speak out clearly so that the next pupil in the loop knows when to come in. Naturally pupils will want to speak as quickly as possible but what they say must be intelligible.
- 5 Sometimes penalties (such as adding 5 seconds for any infringement of the rules) are needed to make sure that the whole thing runs sensibly and fairly.
- 6 The same set of cards can be used often but the cards should be distributed randomly each time; the idea is that all the pupils should 'learn' all the sequences involved in the loop.