

# Have You Got Time?

Welcome to Mrs Ballard's week of maths. It's all about time and sequencing, routine and working out.

Enjoy some questions, written problems and some puzzles.

There is an order for your maths work this week.

- Do the routine and timetable sheet first.
- Then do the multiple choice clock faces.
- After that try Mrs Ballard's Time problems

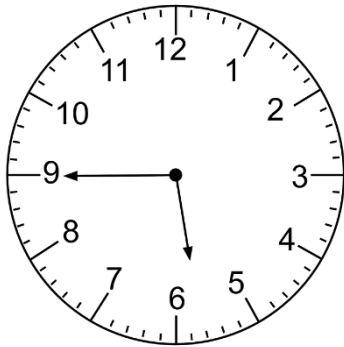
And finally, if you are an expert by now and you're up to it,

- See if you can complete the Time Pyramid Puzzle

Enjoy!

## Have you got TIME?

Let's have a look at routine and time. If you have a clock or a watch at home, you might find it easier to count time by using it. What time is on these clocks? The last four need some careful counting by the minute...not for the feint-hearted!... and as for the final one -can anyone tell me the time?!



Here are the skills you should have when it comes to telling the time. Tick what you can do:

- Know o'clock and half past on a clock
- Understand quarter to and quarter past
- Be able to count in intervals of 5 minutes with the big hand around the clock

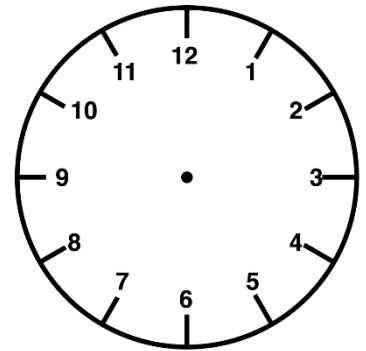
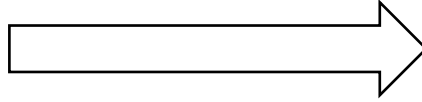
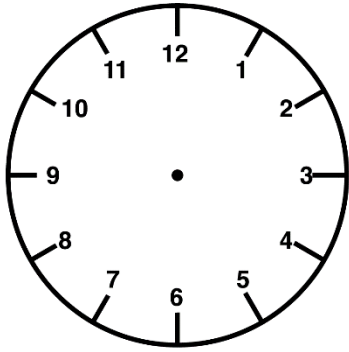
Now you should start counting the one-minute intervals...

Follow the big hand of an analogue clock and count in fives until you reach the number and then move carefully on in one minute intervals.

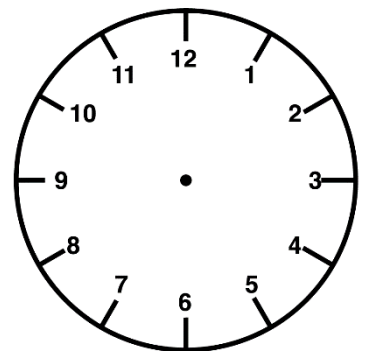
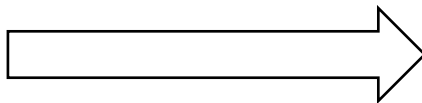
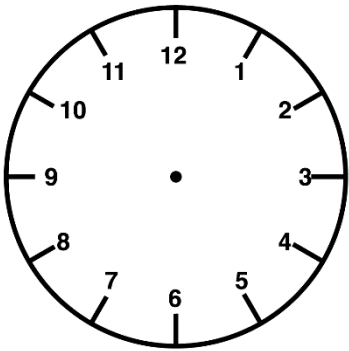
Got it? When you think you have this mastered, let's start to work out how to find the difference in two times.

1. If John Lewis opens at 9am (set your clock face) and shuts for lunch at 1pm. (wind your clock hands forward) How long is their morning?
2. If Mrs Ballard gets in her car to go for a long drive at Durham at 10.30am and it takes her 3 hours to get there, at what time will she arrive?
3. Mrs Roper nodded off at her desk at 9.30am and slept until Mrs Ballard woke her up at 12 midday. How long did she sleep for?
4. It took Mr Jones 4 and a  $\frac{1}{2}$  hours to climb Mount Everest. (He's very quick!) He started bright and early at 6.30am. When did he reach the summit?
5. Mrs Ballard started her 14,000 piece jigsaw at quarter past 7 in the morning. It took her 11 hours to finish. What time did she finish (and what knowledge do you have that might speed up counting 11 times round the clock?!)
6. On Sunday evening Mrs Ballard does the ironing. She starts at 7pm and it usually takes 5 hours. This week she is super quick and shaves  $\frac{1}{2}$  an hour off this time. Will she get to bed by 11pm?
7. It is quarter to midnight. Mrs Ballard has been watching Netflix now for 6 hours. (Can't beat a good box set!) When did she switch it on?
8. Mrs Ballard has forgotten her power cable for her laptop. She has 4  $\frac{1}{2}$  hours of battery life left. She switches on at quarter to 7. What time will her computer die?!!!
9. Mr Jones has a sleepless night with the baby. All was quiet at 1.30am but 50 minutes later, Luke woke up! At what time was his peace shattered?
10. You started this work at \_\_\_\_\_ and it is now \_\_\_\_\_ how long did it take you?

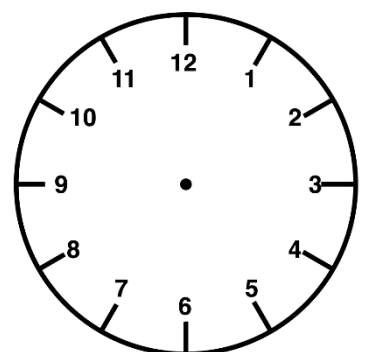
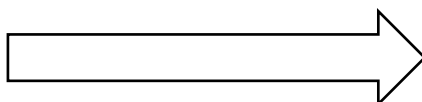
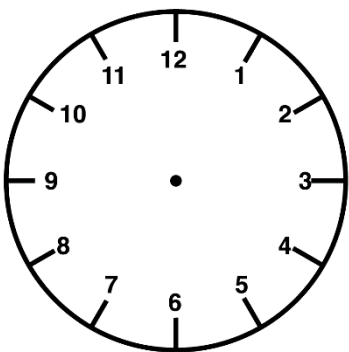
Now draw some times on these analogue clocks. Use a ruler (or the arrows on the computer)  
Make sure the long hand covers the number and the short hand doesn't.



It is **1.45pm** (draw this on the first clock) Mrs Ballard goes out for an hour to the co-op to buy something for lunch. Draw the time (on the second clock) that she gets home.

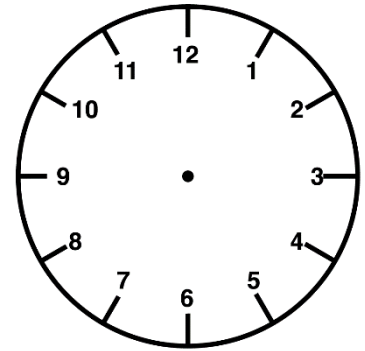
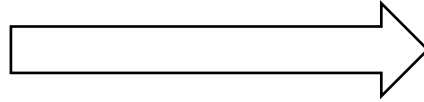
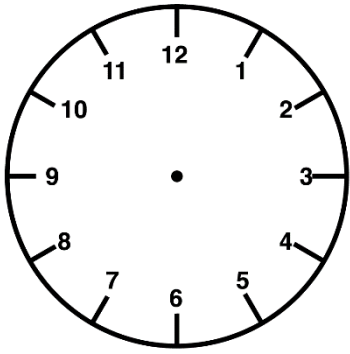


It is **5.30pm** (draw this on the first clock) Mrs Ballard is reading a book. Before she knows it,  $3\frac{1}{2}$  hours have passed. Draw the time now on the second clock.

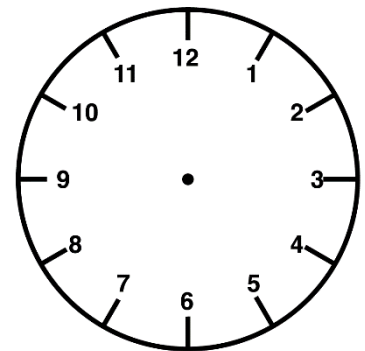
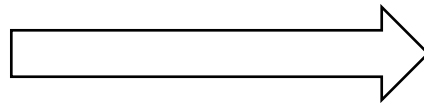
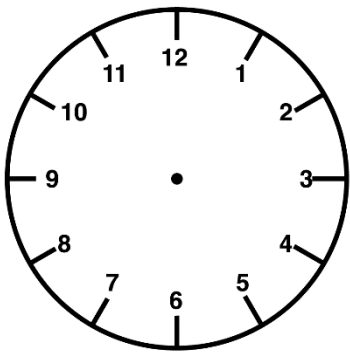


It is **1.45pm** (draw this on the first clock) Mrs Ballard goes out for an hour to the co-op to buy something for lunch. Draw the time (on the second clock) that she gets home.

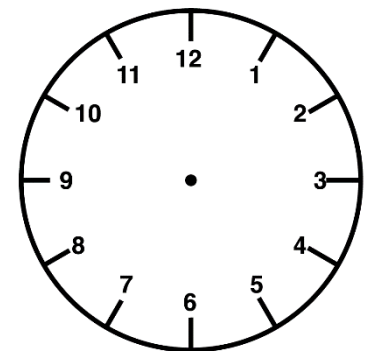
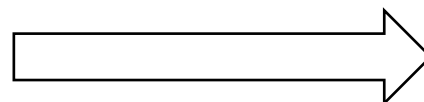
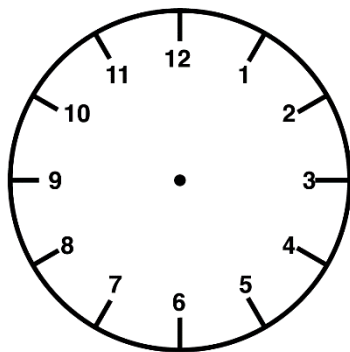
Too easy? Want to work with 5 minute intervals? Try this!



It is **ten past 6** (draw this on the first clock) Mrs Ballard goes home from work. She has a glass of wine in the garden and sits having a chat for 40 minutes (count in 5's round the clock) What time is it now?



It's 5 past 4. (Draw this on the first clock) Mrs Ballard watches Tipping Point for 50 minutes. What time does the programme end?



It is **5.20pm** (draw this on the first clock) Mrs Ballard decides to cook roast beef. It says on the meat that it takes 2 hours 15 minutes to cook. She needs to warm the oven for 5 minutes first. When will dinner be ready?