# Discussion Problems
# Step 5: Find Durations of Time

## National Curriculum Objectives:

**Mathematics Year 2: (2M4a) Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times**
**Mathematics Year 2: (2M4b) Compare and sequence intervals of time**

## About this resource:

**This resource has been designed for pupils who understand the concepts within this step. It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.**

**There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.**

**We recommend self or peer marking using the answer page provided to promote discussion and self-correction.**

## More Year 2 Time resources.

## Did you like this resource? Don't forget to review it on our website.


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# Find Durations of Time

**1. Penny's café opens at 10 o'clock. She gets there at quarter past 8 to start baking.**

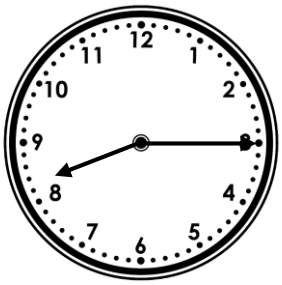
**One batch of 12 cookies takes 15 minutes to bake.**

**One batch of 8 muffins takes 25 minutes to bake.**

**One batch of 10 cupcakes takes 20 minutes to bake.**

**Penny can only bake one batch at a time and she must bake at least one batch of each type of treat. What different combinations of treats can Penny bake before the café opens?**






DP

**2. The church clock is slow and loses ten minutes every hour. If the clock is set correctly at 12 o'clock today, what time will it read at 12 o'clock tomorrow?**



DP



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# Find Durations of Time

**1. Penny's café opens at 10 o'clock. She gets there at quarter past 8 to start baking.**

**One batch of 12 cookies takes 15 minutes to bake.**

**One batch of 8 muffins takes 25 minutes to bake.**

**One batch of 10 cupcakes takes 20 minutes to bake.**

**Penny can only bake one batch at a time and she must bake at least one batch of each type of treat. What different combinations of treats can Penny bake before the café opens?**

**Various possible answers, for example: four batches of cookies, one batch of muffins and one batch of cupcakes.**

DP

**2. The church clock is slow and loses ten minutes every hour. If the clock is set correctly at 12 o'clock today, what time will it read at 12 o'clock tomorrow?**

**At 12 o'clock at night the clock will have lost 12 lots of 10 minutes so it will show 10 o'clock.**
**At 12 o'clock in the day the clock will have lost 24 lots of 10 minutes so it will show 8 o'clock.**



DP


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