

# Reasoning and Problem Solving

## Time – Year 1

### About This Resource

This resource is aimed at Year 1 Expected and has been designed to give children the opportunity to consolidate the skills they have learned in Summer Block 1 – Time.

The questions are based on a selection of the same ‘small steps’ that are addressed in the block, but are presented in a different way so children can work through the pack independently and demonstrate their understanding and skills.

### Small Steps

Before and after

Dates

Time to the hour

Time to the half hour

Writing time

Comparing time

### National Curriculum Objectives

Mathematics Year 1: (1M2) [Measure and begin to record: time \(hours, minutes, seconds\)](#)

Mathematics Year 1: (1M4b) [Sequence events in chronological order using language \[for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening\]](#)

Mathematics Year 1: (1M4c) [Recognise and use language relating to dates, including days of the week, weeks, months and years](#)

Mathematics Year 1: (1M4a) [Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times](#)

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

**classroomsecrets.com**

Bea’s birthday is on Tuesday the 14<sup>th</sup> of July! She is planning a fun day out at the water park for her and her friends.



She would like to plan it for a Saturday.

July						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

1a. How many Saturdays are in July?

Her friend Val has a choir performance on 4<sup>th</sup> of July. Her other friend Chen has a rugby match on 18<sup>th</sup> of July. She wants to have the party on a Saturday as close to her actual birthday as she can.

1b. What day should she plan the day out so that her friends can make it?

## Reasoning and Problem Solving – Time – Year 1

It is finally 11<sup>th</sup> of July and time for Bea's water park party! Here are some activities she would like to do while at the water park.



Slide down the Pirate Plank



Ride the Dragon's Tail



Have a snack



Cut the birthday cake



Ride the Banana Boat

Bea wants to ride The Dragon's Tail after everything else.  
She wants to ride the Banana Boat before they have a snack.  
She wants to go on The Pirate Plank first.  
She wants to cut her cake between riding the Banana Boat and the Pirate Plank.

2. Put the activities in the order Bea would like to do them.

1<sup>st</sup>

2<sup>nd</sup>

3<sup>rd</sup>

4<sup>th</sup>

5<sup>th</sup>

Use the words 'before' and 'after' to describe when they will have a snack.

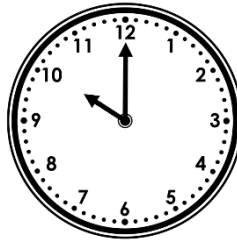
## Reasoning and Problem Solving – Time – Year 1

After planning such a fun day, Bea is very excited for the party to begin. Bea's mum gives Bea a small present as she eats her breakfast.

It's a watch! Bea loved to ask her mum about the time. Now she could figure it out all by herself!

"Happy birthday, darling! It's waterproof so you can bring it to the park with you. We must pick up your friends at eight o'clock!" says Bea's mum.

3. Circle the clock that shows the time Bea and her mum will pick up Bea's friends.



A little while later, they arrive at the water park.

"Yay, we're here!" exclaim the children.

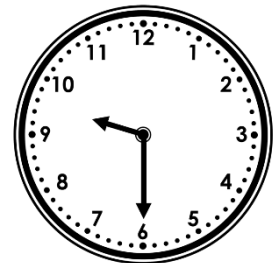
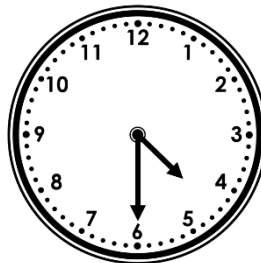
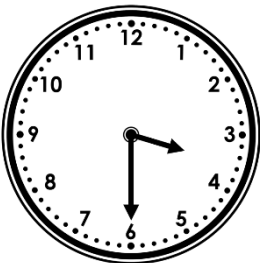
"It is now half past nine, children. We will have some birthday cake at half past three and leave the park at half past four." says Bea's mum while they hop out of the car. "Then, we'll go home to play some party games!"

4. Match the times with the events Bea's mum has described.

Birthday cake

Arrive at the park

Leave the park



Half past four

Half past three

Half past nine

## Reasoning and Problem Solving – Time – Year 1

At half past 4, Bea and her friends are ready to leave the water park. “Let’s go home and play some games!” they cheer.

Marshmallow  
eating contest

Relay race

Hide and seek

Watch a movie

Eat a meal

Sing ‘Happy  
Birthday’

5a. Sort the activities into things that you can measure in seconds, minutes, or hours.

Seconds	Minutes	Hours

5b. Which activities do you think Bea could measure using the minute or second hand on her new watch? Explain your answers.

--

The children split into teams to run the relay race. Bea timed them with her new watch.

Green Team  
2 minutes

Yellow Team  
12 minutes

Red Team  
60 seconds

6. Fill in the blanks.

The Yellow Team is \_\_\_\_\_ (faster/slower) than the other teams.

The Red Team finished \_\_\_\_\_ (earlier/later) than the other teams.

The Green Team is \_\_\_\_\_ (faster/slower) than the Yellow Team.

The Green Team finished \_\_\_\_\_ (earlier/later) than the Red Team.



Long after her friends had left, Bea was tucked in her bed. “This has been my favourite birthday ever!” she thought as she fell asleep.

**classroomsecrets.com**

## Reasoning and Problem Solving – Time – Year 1

- 1a. There are 4 Saturdays in July.
- 1b. She should have her party on Saturday 11<sup>th</sup> of July.

2. 1<sup>st</sup> – Ride the Pirate Plank  
2<sup>nd</sup> – Cut the birthday cake  
3<sup>rd</sup> – Ride the Banana Boat  
4<sup>th</sup> – Have a snack  
5<sup>th</sup> Ride the Dragon's Tail

3. The last clock should be circled (showing 8 o'clock).

4.




Birthday cake	Arrive at the park	Leave the park
		
Half past four	Half past three	Half past nine

Diagram showing three clocks and their corresponding activities. Red lines connect the boxes to the clocks: 'Birthday cake' connects to the first clock (3:30), 'Arrive at the park' connects to the second clock (3:30), and 'Leave the park' connects to the third clock (9:30). Below the clocks are three boxes: 'Half past four' (under the first clock), 'Half past three' (under the second clock), and 'Half past nine' (under the third clock). Red lines also connect the bottom boxes to the clocks: 'Half past four' connects to the first clock, 'Half past three' connects to the second clock, and 'Half past nine' connects to the third clock.

- 5a. Seconds: Marshmallow eating contest, sing 'Happy Birthday'  
Minutes: Relay race, hide and seek, (eat a meal)  
Hours: Watch a movie, (eat a meal)
- 5b. Example answer: She could measure the marshmallow eating contest, how long it takes to sing happy birthday or a lap of the relay race or with her watch because they are quick activities.
6. slower, earlier, faster, later