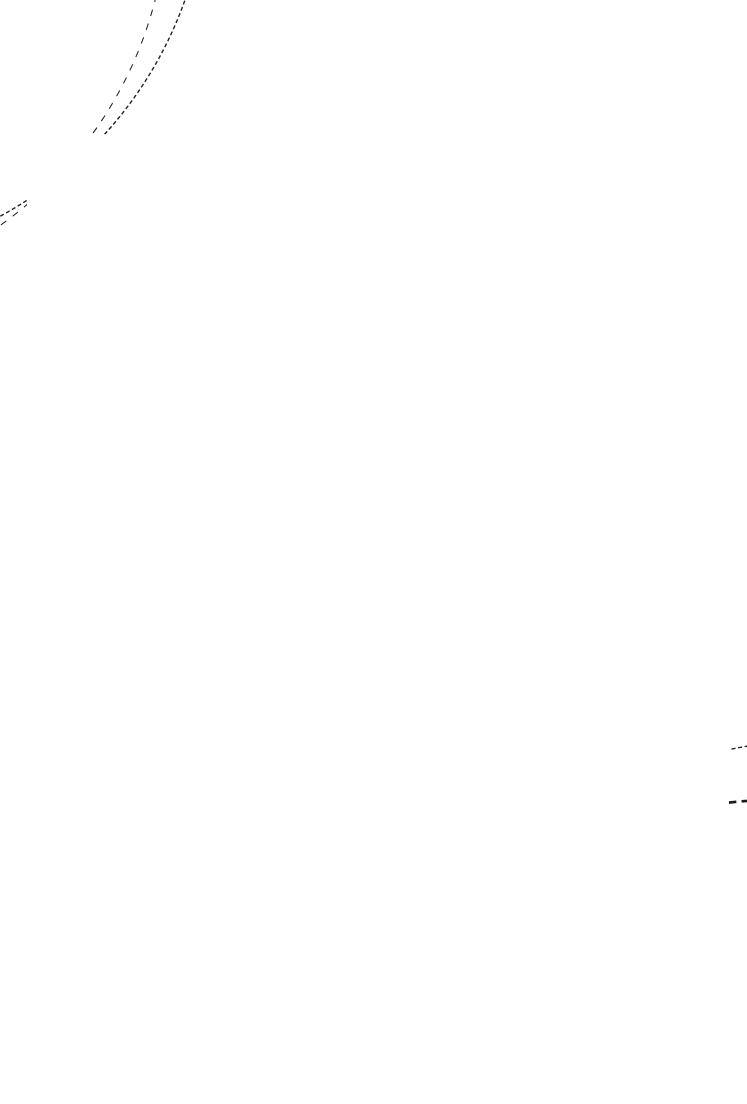


Mathematics Guide













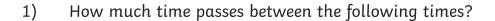






Timed Events Problems

I can solve problems about the duration of events.



- a) 3:10 p.m. to 4:15 p.m.
- b) 2:15 p.m. to 3:40 p.m.
- c) 10:40 a.m. to 12:50 p.m.
- d) 5:10 p.m. to 8:50 p.m.
- e) 7:20 p.m. to 11:10 p.m.
- f) 10:20 p.m. to 2:40 a.m. (the next day)

2) Answer these questions. Use the timeline to help you.

a) French starts at 1:20 p.m. and lasts 55 minutes. What time does it finish?

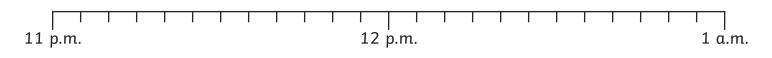




b) My favourite TV show starts at 6:55 p.m. It lasts 1 hour and 10 minutes. What time does it finish?



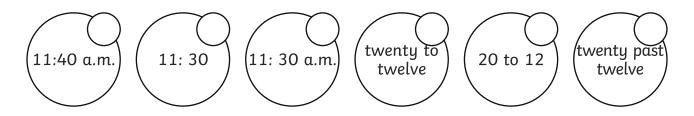
c) I woke up at 12:35 a.m. I had been asleep for 1 hour and 20 minutes. What time did I go to sleep?



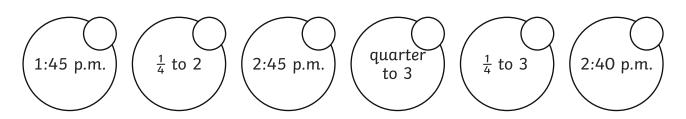
d) My dad drove me to my auntie's house. The journey was 1 hour and 15 minutes. We arrived at 9:10 a.m. What time did we set off?



- 3) Answer these word problems by ticking all the boxes that show the correct answer.
 - a) I went to town on the bus. The journey took 25 minutes. I went around the shops for 45 minutes then had a drink. If I got on the bus at 10:30 a.m., what time did I have a drink?



b) Carla's birthday party finished at 4:25 p.m. The party lasted 1 hour and 40 minutes. What time did it start?





4) Here is a table to show the start and end time of films. Calculate how long each film lasts (in minutes), then order the films from shortest to longest.

| | Start | End | Length of Show |
|--------------------|------------|-----------|----------------|
| The True Way Home | 12:15 p.m. | 2:55 p.m. | |
| Spy Sisters | 1:05 p.m. | 3:35 p.m. | |
| Don't Lose the Dog | 4:35 p.m. | 5:55 p.m. | |

| shortest < | → longest |
|------------|-----------|
| | |

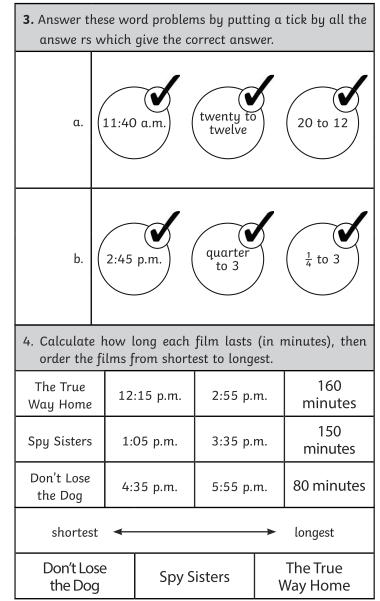






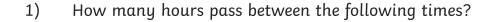
Timed Events Problems Answers

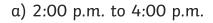
| Question | Answer | |
|--|----------------------------------|--|
| 1. How much time passes between the following times? | | |
| a. | 1 hour 5 minutes (65 minutes) | |
| b. | 1 hour 25 minutes (85 minutes) | |
| C. | 2 hours 10 minutes (130 minutes) | |
| d. | 3 hours 40 minutes (220 minutes) | |
| e. | 3 hours 50 minutes (230 minutes) | |
| f. | 4 hours 20 minutes (260 minutes) | |
| 2. Answer these questions. Use the timeline to help. | | |
| α. | 2:15 p.m. | |
| b. | 8:05 p.m. | |
| C. | 11:15 p.m. | |
| d. | 7:55 a.m. | |



Timed Events Problems

I can solve problems about the duration of events.

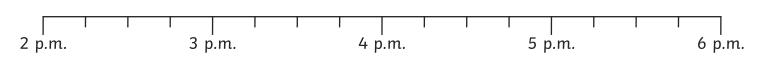




d) 3:30 p.m. to 10:30 p.m.

2) Answer these questions. Use the timeline to help you.

a) At 3:15 p.m. I leave school. It takes me 30 minutes to walk home. What time do I arrive home?

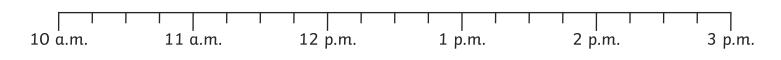




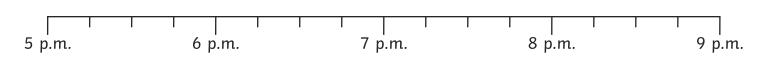
b) Maths finishes at 12:30 p.m. We then have lunch for 45 minutes. What time does lunch end?



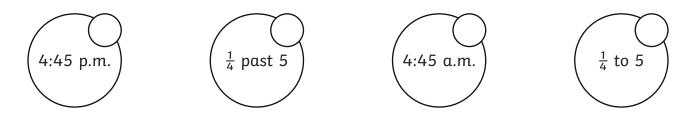
c) I get off the bus at 2:45 p.m. The journey lasted 30 minutes. What time did the bus leave?



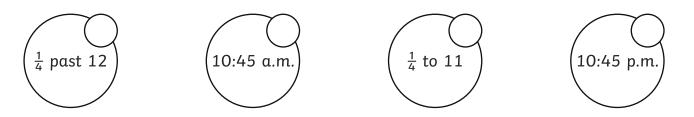
d) My favourite TV show finishes at 8:15 p.m. It lasts 45 minutes. What time did it start?



- 3) Answer these word problems by ticking all the boxes that show the correct answer.
 - a) Poppy walks to her friend's house. She sets off at 4:15 p.m. It takes her 30 minutes to get there. What time does she arrive?



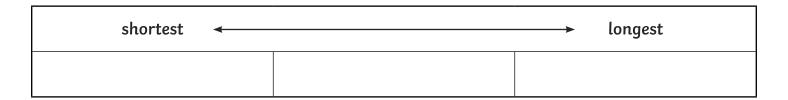
b) Keenan finishes tidying his bedroom at 11:30 a.m. It took him 45 minutes to tidy it. When did he start?

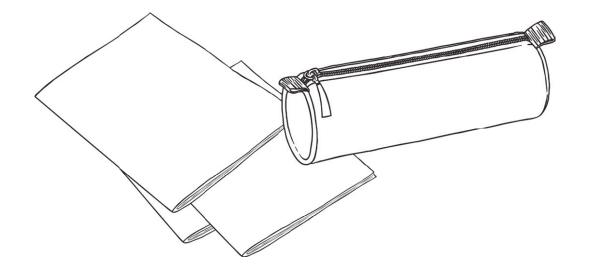




4) Here is a table to show the start and end time of each lesson. Calculate how long each lesson lasts (in minutes), then order the lessons from shortest to longest.

| | Start | End | Length of Lesson |
|----------|------------|------------|------------------|
| Maths | 9:15 a.m. | 10:15 a.m. | |
| Literacy | 10:30 a.m. | 11:15 a.m. | |
| PE | 1:15 p.m. | 1: 45 p.m. | |

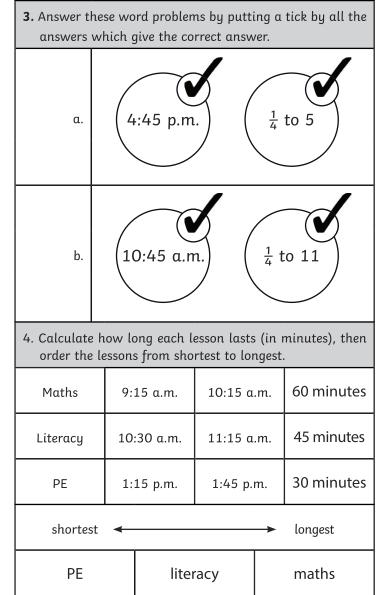






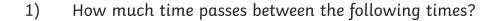
Timed Events Problems Answers

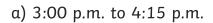
| Question | Answer | |
|--|-----------|--|
| 1. How many hours pass between the following times? | | |
| a. | 2 hours | |
| b. | 3 hours | |
| C. | 3 hours | |
| d. | 7 hours | |
| e. | 9 hours | |
| f. | 4 hours | |
| 2. Answer these questions. Use the timeline to help. | | |
| α. | 3:45 p.m. | |
| b. | 1:15 p.m. | |
| с. | 2:15 p.m. | |
| d. | 7:30 p.m. | |



Timed Events Problems

I can solve problems about the duration of events.





c) 10:30 a.m. to 12:45 p.m.

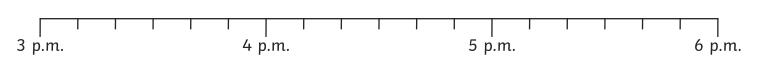
d) 5:30 p.m. to 8:15 p.m.

e) 2:15 p.m. to 8:30 p.m.

f) 11:30 p.m. to 2:00 a.m. (the next day)

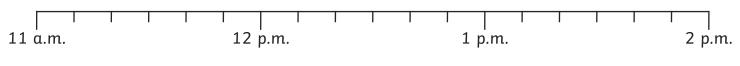
2) Answer these questions. Use the timeline to help you.

a) At 3:20 p.m. I set off to walk to my Grandma's house. It takes me 40 minutes to walk there. What time do I arrive?

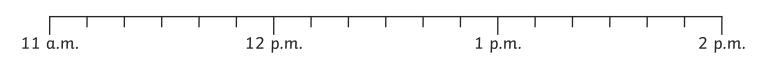




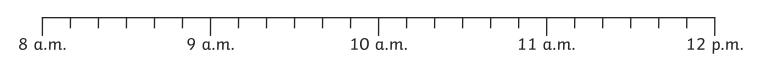
b) My dance lesson starts at 11:40 a.m. It lasts 1 hour and 10 minutes. What time does it end?



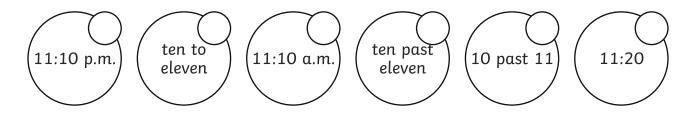
c) I flew from London to Madrid. The flight lasted 2 hours and 30 minutes. If the plane landed at 1:40 p.m. What time did it take off?



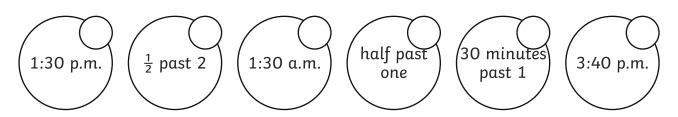
d) My train arrives at the station at 11:10 a.m. The train journey lasted 50 minutes. What time did the train depart?



- 3) Answer these word problems by ticking all the boxes that show the correct answer.
 - a) Tyrol meets his friend at the park at 10:20 a.m. They spend 30 minutes on the playground, then play football for 20 minutes. Then they go home. What time did they leave the park?



b) Trudi works on her homework project for 1 hour and 10 minutes. If she stops at 2:40 p.m., what time did she start work?

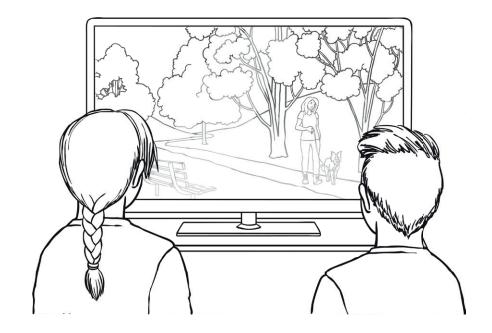




4) Here is a table to show the start and end time of some TV shows. Calculate how long each programme lasts (in minutes), then order the programmes from shortest to longest.

| | Start | End | Length of Show |
|------------------|------------|-----------|----------------|
| Cartoon Capers | 12:10 p.m. | 1:00 p.m. | |
| Get that Dog! | 1:00 p.m. | 2:10 p.m. | |
| Funny Film Clips | 2:20 p.m. | 2:30 p.m. | |

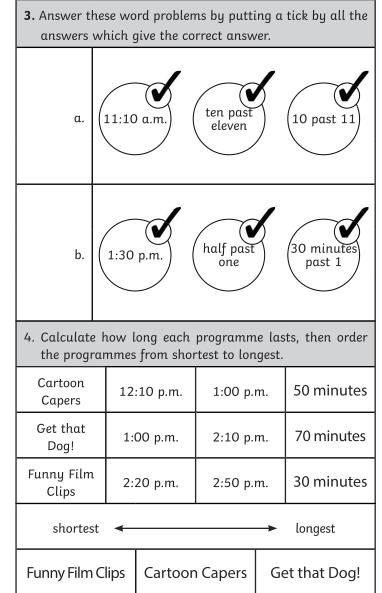
| shortest < | → longest |
|------------|-----------|
| | |





Timed Events Problems Answers

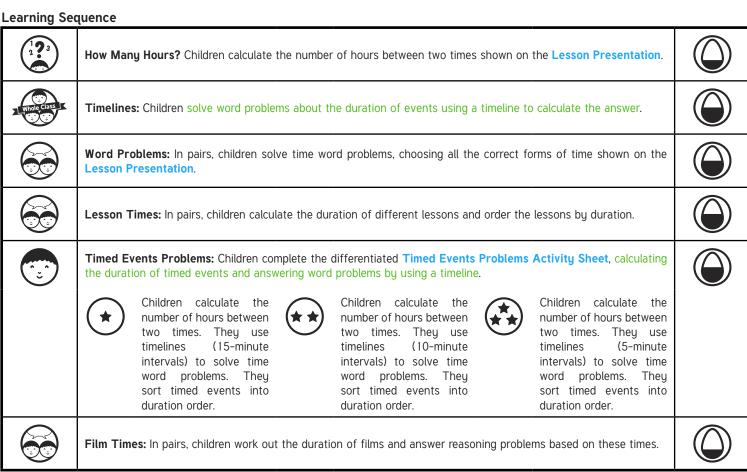
| Question | Answer | |
|--|----------------------------------|--|
| 1. How much time passes between the following times? | | |
| α. | 1 hour 15 minutes (75 minutes) | |
| b. | 15 minutes | |
| C. | 2 hours 15 minutes (135 minutes) | |
| d. | 2 hours 45 minutes (165 minutes) | |
| e. | 6 hours 15 minutes (375 minutes) | |
| f. | 2 hours 30 minutes (150 minutes) | |
| 2. Answer these questions. Use the timeline to help. | | |
| α. | 4:00 p.m. | |
| b. | 12:50 p.m. | |
| c. | 11:10 a.m. | |
| d. | 10:20 a.m. | |



Measurement: Timed Events Problems

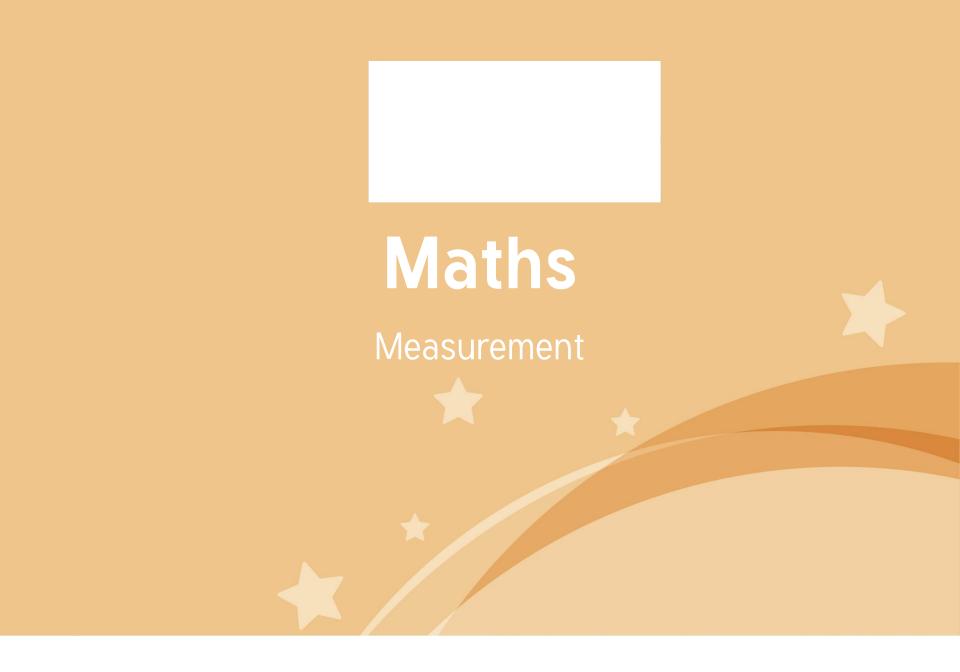
| Aim: Compare durations of events (for example, to calculate the time taken by particular events or tasks). I can solve problems about the duration of events. | Success Criteria: I can calculate the amount of time that passes from one time to another. I can compare the length of timed events. I can order timed events. | Resources: Lesson Pack Whiteboards and pens - class set |
|--|--|--|
| | Key/New Words: Hours, minutes, timed, duration, length. | Preparation: Differentiated Timed Events Problems Activity Sheet - 1 per child |

It will be helpful if children have experience of using a.m. and p.m. (covered in Time Vocabulary (Lesson 2): Using A.M. and P.M.).



Masterit

Planit: Children create a timetable for their perfect day out. They construct a table to show the events, start times, end times and duration. Investigateit: Children use the internet to find the times of train journeys from the same starting city to other cities. They calculate the duration of the journeys, and sort them into order of duration.





Aim

• I can solve problems about the duration of events.

Success Criteria

- I can calculate the amount of time that passes from one time to another.
- I can compare the length of timed events.
- I can order timed events.













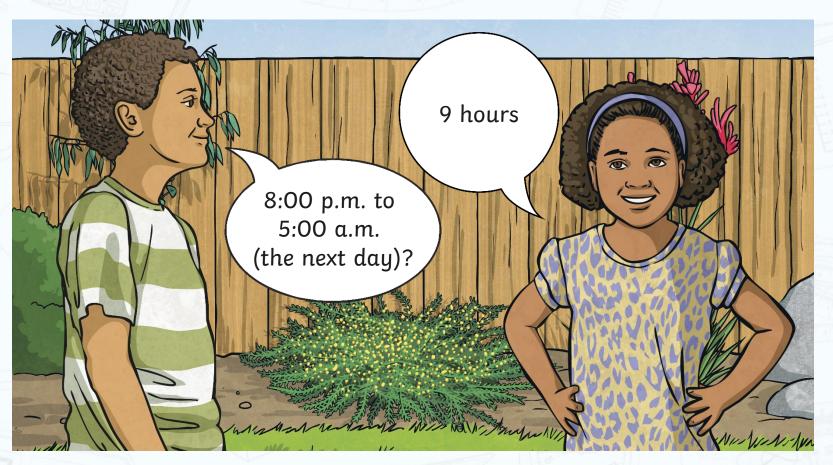




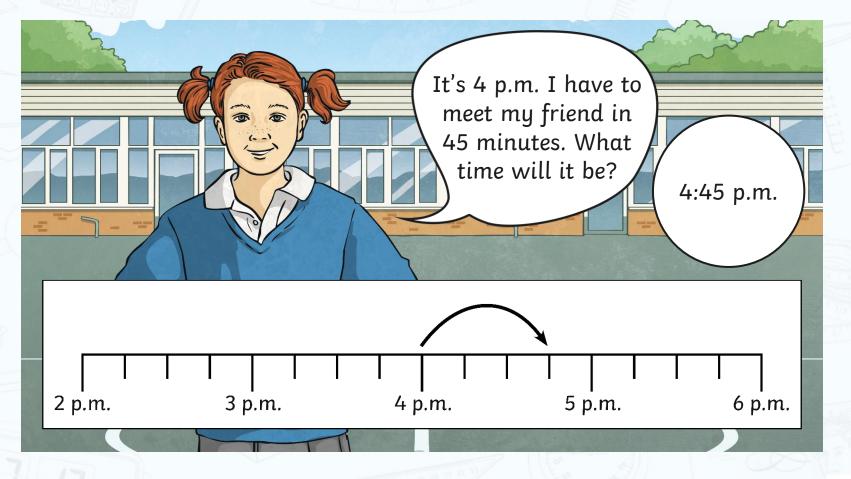




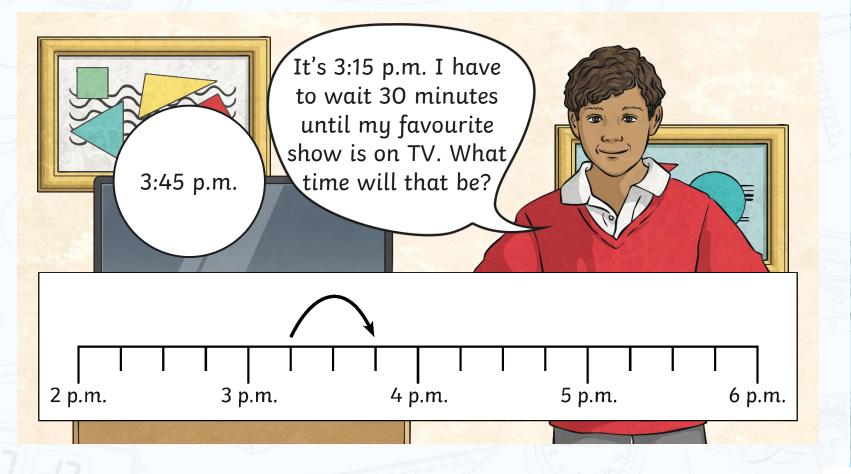




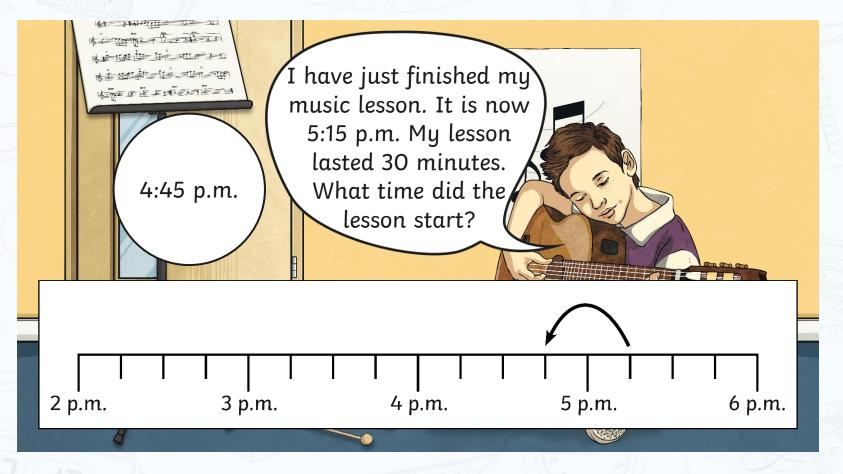




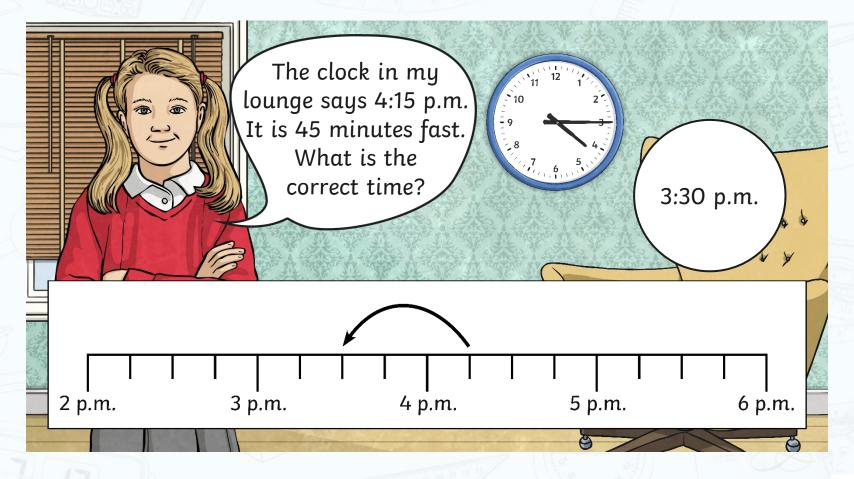




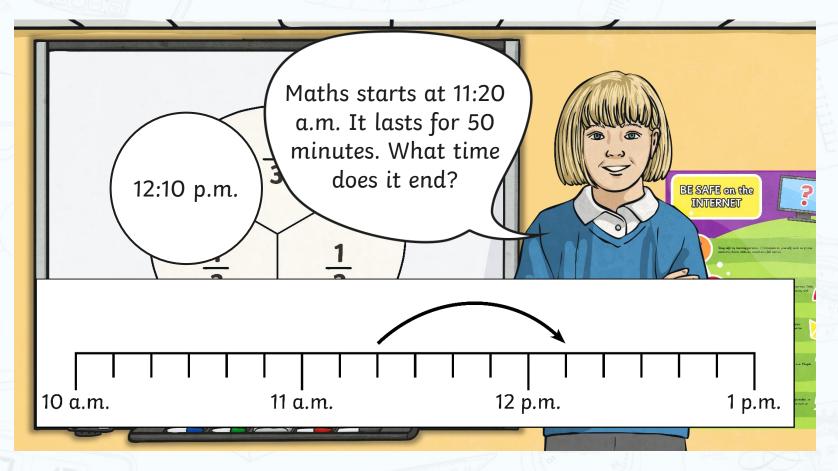








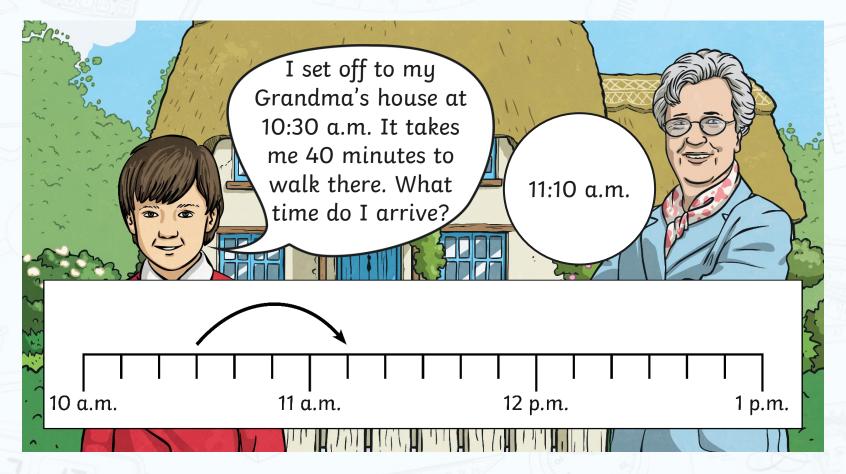




Timelines



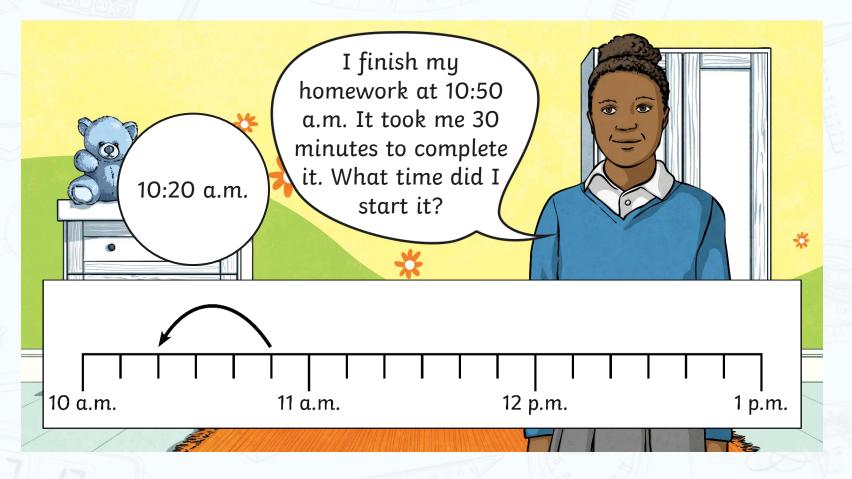
Here is a timeline from 10 a.m. to 1 p.m. in 10-minute intervals:



Timelines



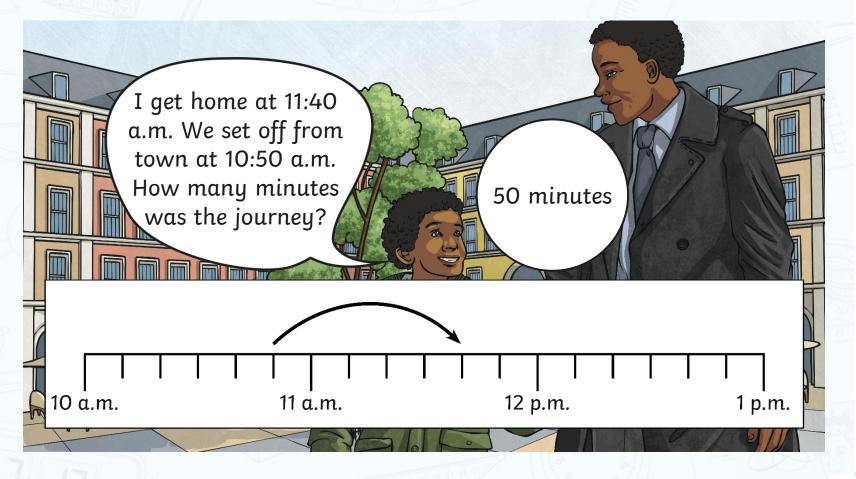
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Timelines

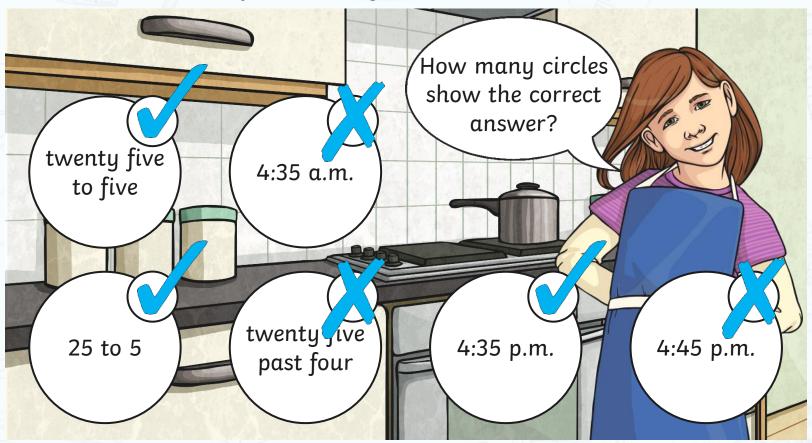


Here is a timeline from 10 a.m. to 1 p.m. in 10-minute intervals:



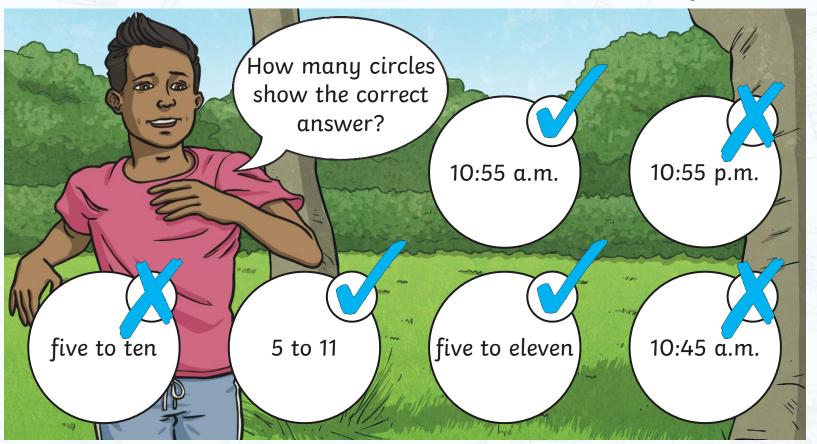
Word Problems

Millie started baking at 3:45 p.m. It took her 50 minutes. What time did Millie finish baking? Click the circles to reveal the answer.



Word Problems

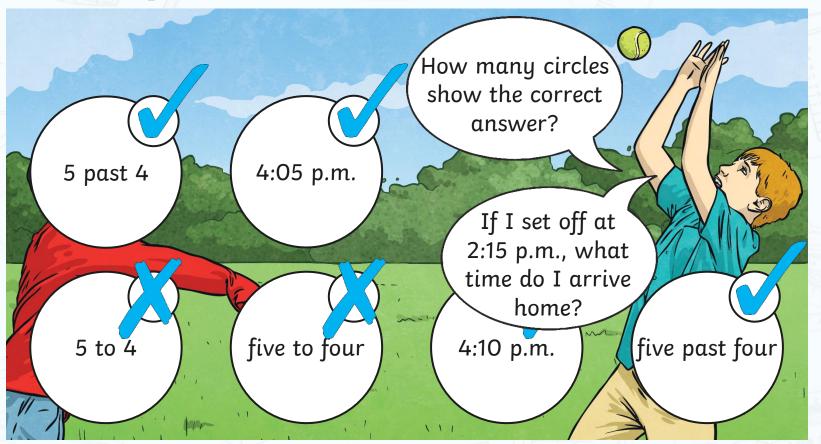
I start running at 10:00 a.m. I run for 25 minutes, then turn round and run home. It takes me 30 minutes to run back. What time do I get home?



Word Problems



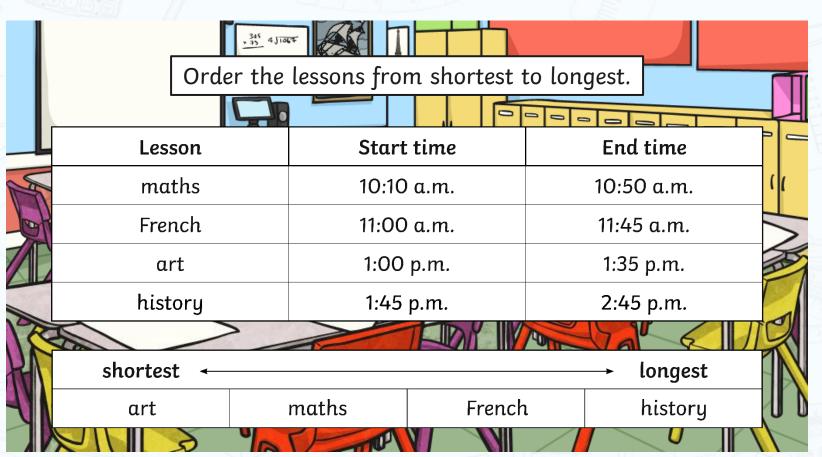
It takes Leon 15 minutes to walk to his friend's house. He stays there for 1 and $\frac{1}{2}$ hours, then he is driven home which takes 5 minutes.



Lesson Times



Here are the start and end times of some lessons.



Lesson Times



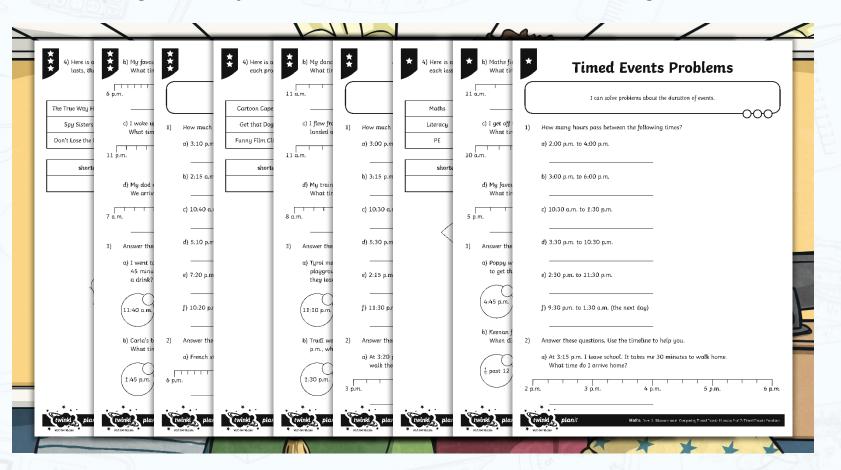
Here are the start and end times of some lessons.

| | , 345 , 35 4 J I | DET T | | | |
|----|---------------------|--------------|--------------|------------|----|
| | Order the | lessons from | n longest to | shortest. | TI |
| | | | | | Щ |
| _L | Lesson | Start | time | End time | |
| A | literacy | 9:15 | a.m. | 10:20 a.m. | l |
| 6 | reading | 11:05 | a.m. | 11:30 a.m. | > |
| | PE | 1:10 | p.m. | 1:55 p.m. | 5 |
| | geography | 2:20 | p.m. | 3:10 p.m. | |
| 12 | | | TOY W | | |
| KN | longest ← | | | > shortest | |
| M | literacy go | eography | PE | reading | 0 |
| | | The same | | | |

Timed Events Problems

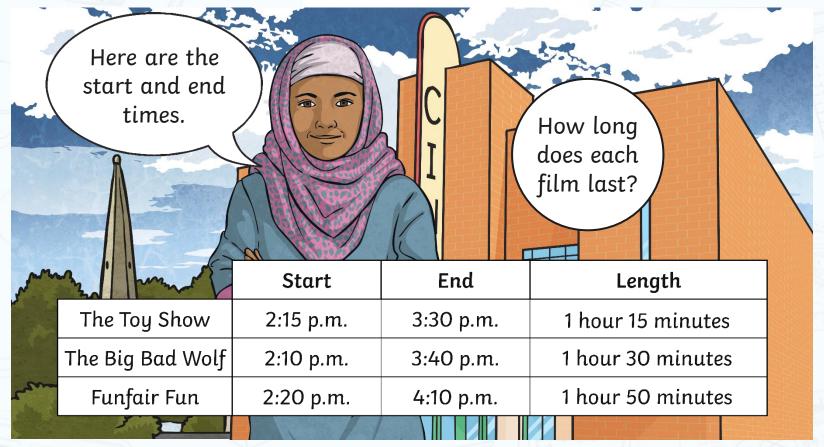


Use your terrific time skills to complete these activity sheets:



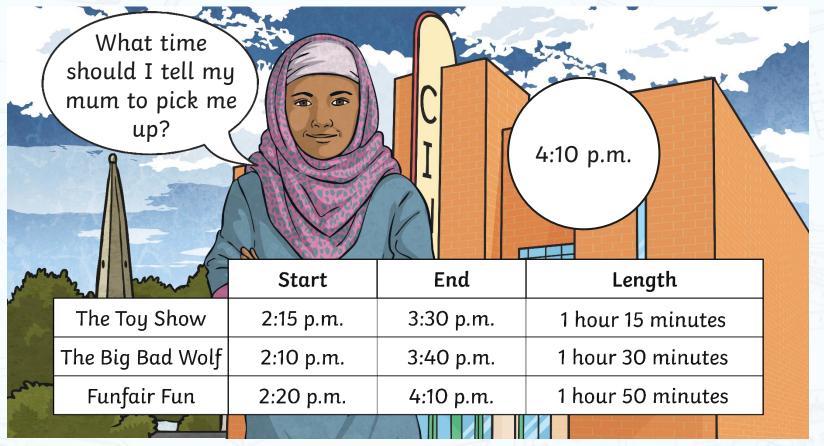


Karen is going to the cinema. She has a choice of 3 films, The Toy Show, The Big Bad Wolf and Funfair Fun.



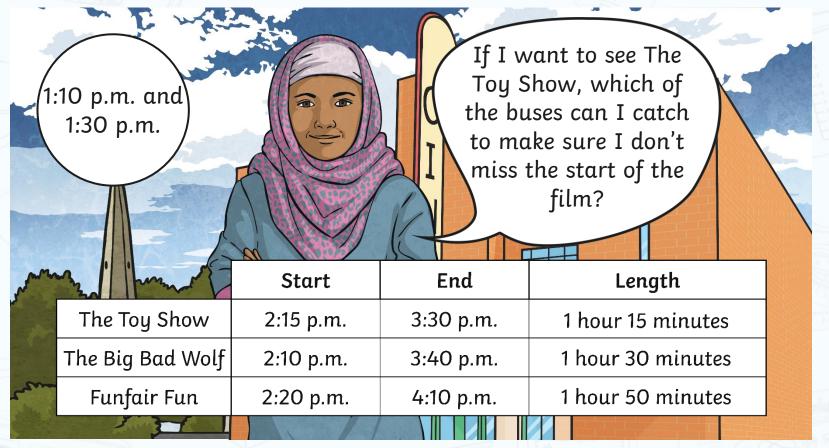
Film Times

Karen wants to watch The Big Bad Wolf, then she wants to have something to eat, which will take 30 minutes.



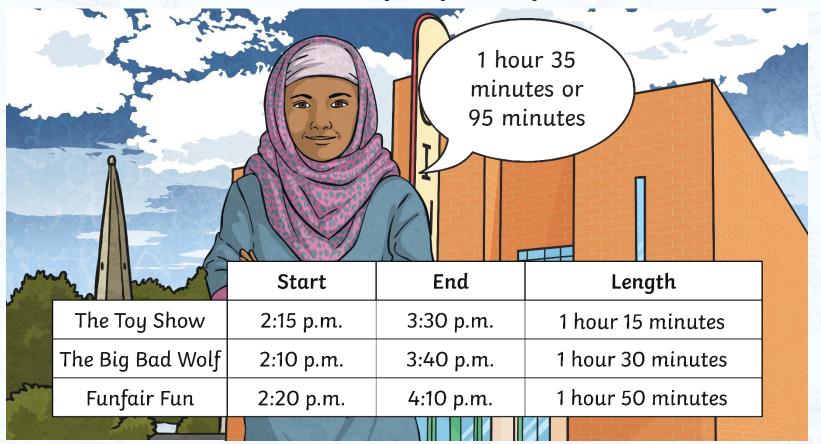
Film Times

Buses to the cinema leave town at 1:10 p.m., 1:30 p.m. and 1:50 p.m. The journey lasts 25 minutes, then it is a 5-minute walk.



Film Times

Karen misses the first 15 minutes of the Funfair Fun film. How much of the film is left?

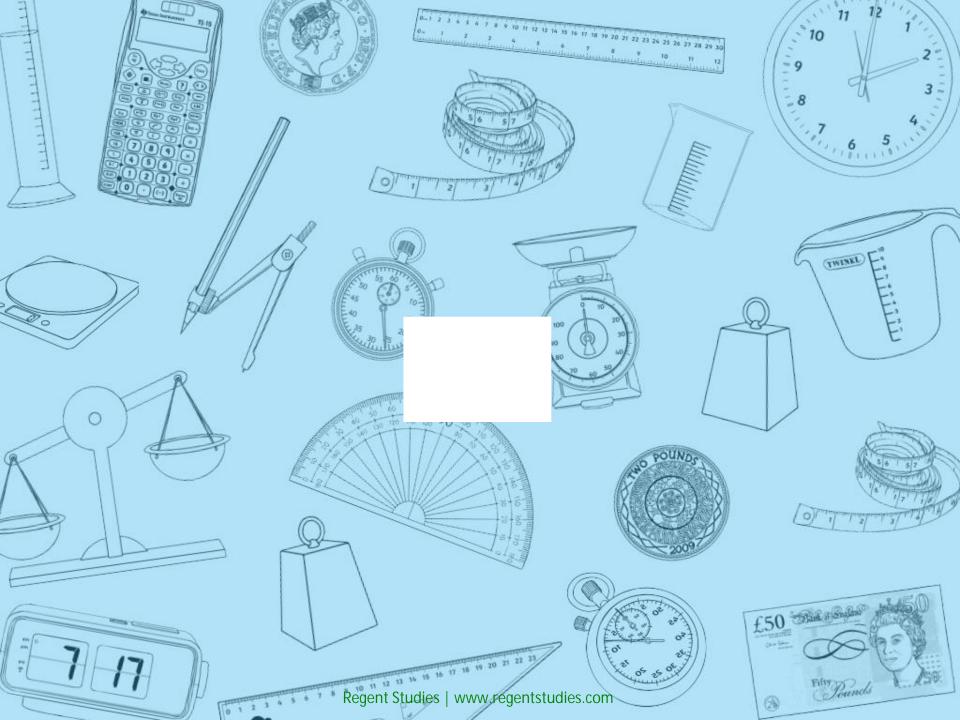


Aim

• I can solve problems about the duration of events.

Success Criteria

- I can calculate the amount of time that passes from one time to another.
- I can compare the length of timed events.
- I can order timed events.



Measurement | Timed Events Problems

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