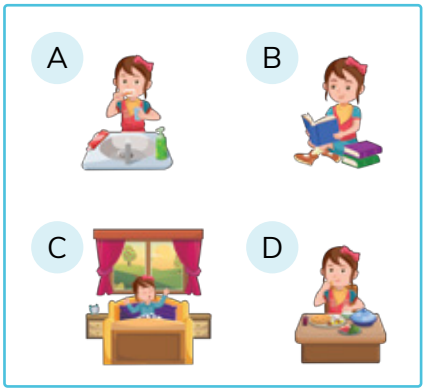
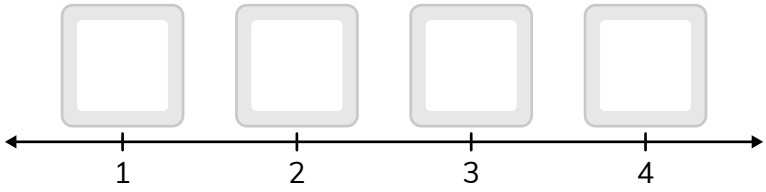
Calculate the time interval between two times by using a number line.

CCSS.MATH.CONTENT.2.MD.C.7 | US_EN_02_MAT_C44_WS_m1

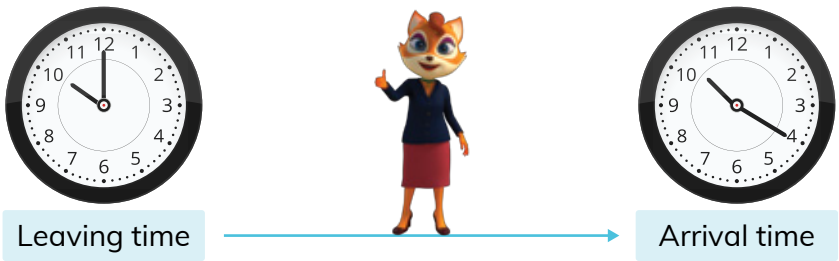
Catalie Purrman, the journalist, wants to cover the annual sports event happening in Animalia. Help her, Jax and Jane plan the day!

1 Jane plans her morning. Write the letters of her activities in the correct sequence in the boxes given below.





2 Catalie Purrman leaves for the event. Write her time of leaving and arrival in the boxes given below.



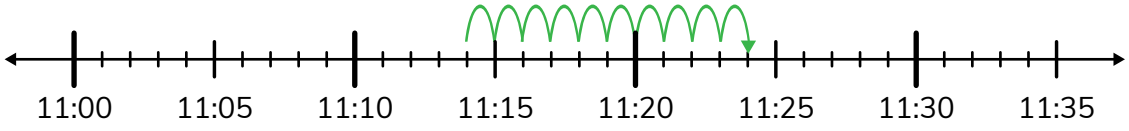
: to :

Use the number line to count the number of minutes Catalie Purrman takes to reach the event. Write your answer in the boxes given below.

minutes

Calculate the time interval between two times by using a number line.
CCSS.MATH.CONTENT.2.MD.C.7 | US_EN_02_MAT_C44_WS_m1

3 Jane starts interviewing the participants. The interview starts at 11:14 a.m. and ends at 11:24 a.m. Use the number line to count how long the interview takes. Circle the correct option.



20 minutes | 10 minutes | 11 minutes | 12 minutes

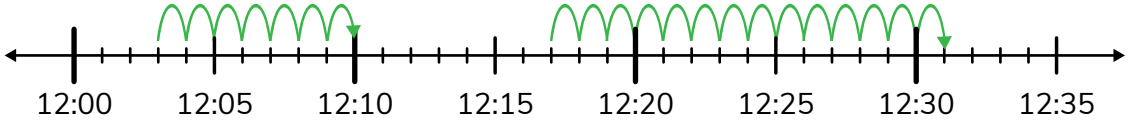
4 Use the number line to calculate the time each of the events take to complete.

Start time: 12:03
End time: 12:15

Event 1

Start time: 12:18
End time: 12:31

Event 2



Color the box next to time for Event 1 in **Red**.
Color the box next to time for Event 2 in **Blue**.

13 ☐ 12 ☐

Calculate the time interval between two times by using a number line.
CCSS.MATH.CONTENT.2.MD.C.7 | US_EN_02_MAT_C44_WS_m1

The races are about to begin. Help Jax and Jane keep track of time.

1 Help Jane arrange the race in the correct order. Read the guidelines and match them with their correct number.

Guidelines:

- The Fun run will be held **after** the Sprint.
- The Sack race will be held **before** the Sprint.
- The Sack race will be held **earlier** than all the other races.
- The Relay race will be held **later** than all the other races.

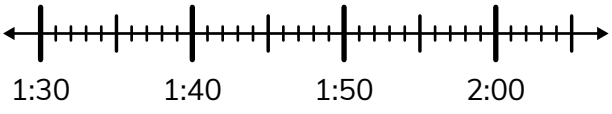

Fun run ● ● 2


Sprint ● ● 3


Sack race ● ● 4


Relay race ● ● 1

2 Sprint and Sack race both start at 1:30 p.m. With the help of the number line calculate the time taken for both the races. Write your answers in the boxes given below.



Sack race ends at 1:41

Sack race total time taken = ☐☐ minutes

Sprint ends at 1:53

Sprint total time taken = ☐☐ minutes

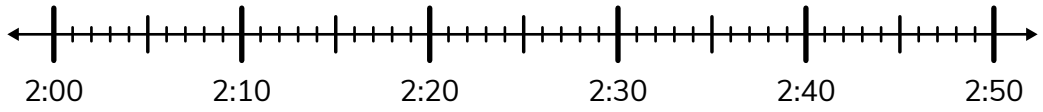
Based on your answer above, which event got over earlier than the other? Check ☑ the correct box.

☐ Sprint ☐ Sack race

Calculate the time interval between two times by using a number line.

CCSS.MATH.CONTENT.2.MD.C.7 | US_EN_02_MAT_C44_WS_m1

3 The Fun run starts at 2:13 p.m. and ends at 2:37 p.m. Use the number line to count the total time taken.



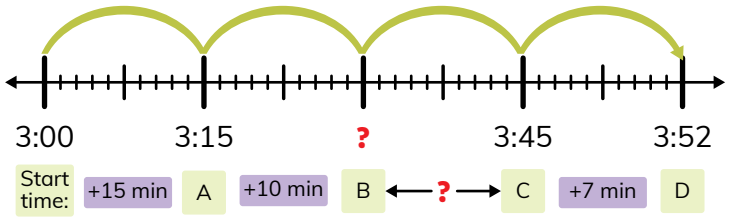
Circle the total time taken for the Fun run.

21 minutes 24 minutes 26 minutes

The Relay race starts at 2:02 pm. It takes the same time as the Fun run. Use the number line to calculate when the Relay race ends. Write in the box given and check ✓ the correct box.

Relay race ends at ☐ : ☐☐ ☐ a.m. ☐ p.m.

4 Catalie Purrman needs your help to record the race timings of four participants A, B, C and D. With the help of the given number line, calculate participant B's time in the boxes given below.



Participant B's time = ☐ : ☐☐

How many more minutes did participant C take than B? Write your answer in the given box.

\+ ☐☐ minutes

Calculate the time interval between two times by using a number line.

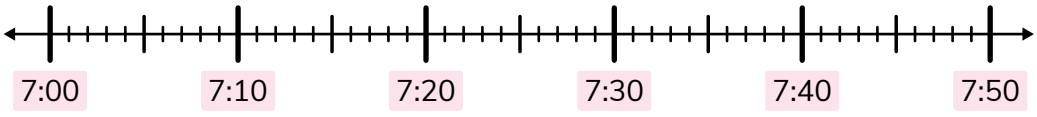
CCSS.MATH.CONTENT.2.MD.C.7 | US_EN_02_MAT_C44_WS_m1

Jax and Jane have a great idea! For the grand ending they want to have a fountain show. Use your knowledge of time to create the perfect fountain show!

Jane plans to start the fountain show at 7:00 p.m. Decide which color you want to display at what time. Based on your choices, color the boxes **red**, **green** or **blue**.

7 to 7:11 ☐ 7:11 to 7:29 ☐ 7:29 to 7:43 ☐

With the help of the number line, calculate the time taken for each color. Write your answer in the box given below.



Duration of **red** color: ☐☐ minutes

Duration of **blue** color: ☐☐ minutes

Duration of **green** color: ☐☐ minutes

Circle the color that will run for the longest. **Red** **Green** **Blue**

Circle the color that will run for the least time. **Red** **Green** **Blue**

Calculate the time interval between two times by using a number line.

CCSS.MATH.CONTENT.2.MD.C.7 | US_EN_02_MAT_C44_WSA_m1

Jax wants to add some nice music to the fountain. He wants it between 7:00 p.m. and 7:40 p.m. When would you like the music to start? Check ✓ any one option.

When would you like the music to end? Check ✓ any one option.

Based on your selections, calculate the total duration of the music. Write your answer in the boxes given below.

Duration of music = ☐☐ minutes

Is the duration of music more than the duration of **blue** color you selected on the previous page? Circle the correct option.

Yes No

Is the duration of music less than the duration of **green** color you selected on the previous page? Circle the correct option.

Yes No

The fountain show is perfectly timed and looks beautiful! Good job!