Unit 5, Lesson 12

Hours, Minutes, and Seconds

Let's explore time in hours, minutes, and seconds.

Warm-up

What Do You Know about 1 Hour?

What do you know about 1 hour?

Activity 1

Mai's School Day

The table shows how Mai spends the time she is awake on a school day.

activity	hours	minutes
morning routine	1	
getting to school	$\frac{1}{2}$	
time at school	8	
getting home from school	$\frac{3}{4}$	
homework and reading	$1\frac{1}{2}$	
playing and family time	2	
bedtime routine	$\frac{1}{4}$	

1. Complete the table to show how many minutes Mai spends on each activity.
2. How many hours does Mai spend at school? What is the time in minutes?



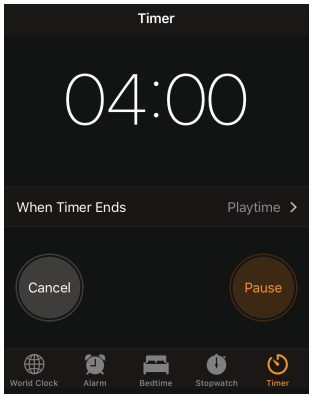
3. How many minutes does Mai sleep on a school night? Explain or show your reasoning.

Activity 2

Precious Minutes and Seconds

Diego sets a timer to make sure his daily activities do not take too long or too short an amount of time.

activity	minutes	seconds
brushing teeth	2	
showering	3	
heating a cup of milk in the microwave	$\frac{1}{2}$	
break during homework time	5	
quick workout	10	
daily reading	30	



1. Complete the table, with the number of seconds for each activity.
2. Diego notices on a television channel that commercial breaks often are between $1\frac{1}{2}$ minutes and $2\frac{1}{2}$ minutes long. How long are they in seconds? Explain or show your reasoning.

3. Diego's workout starts with 4 minutes of warming-up and stretching, followed by 100 seconds of jumping jacks.

   If he works out for 10 minutes exactly, how many more seconds are left in his workout?