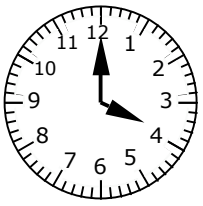
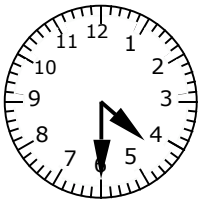
Lesson 11.1 Tell Time as Minutes After the Hour

Objectives	**California Standards**
• Tell time to each 5-minute interval. • Read digital time notations. • Tell time as minutes after, or minutes past the hour.	**MG 1.4**: Tell time to the nearest quarter hour and know relationships of time (e.g., minutes in an hour, days in a month, weeks in a year).
Materials • Small analog geared clocks • Large analog geared clock	**Vocabulary/Phrases** Minutes after (the hour) Minutes past (the hour)

Teaching Strategies		
Review reading a clock face	Provide each student with a small geared clock and use a large classroom geared clock while you demonstrate. Remind students which hand is the hour hand and which is the minute hand. Have students identify the meanings of the numbers around the clock. Set the time for 12:00 and move the minute hand all the way around the clock face. Ask students how far the hour hand moves when the minute hand goes all the way around. Tell the class that one hour passes as the minute hand goes around, and the hour changes to the next hour. Let students experiment with their clocks.	
Review telling time to the hour and the half-hour	Set the time on your geared clock to an hour, such as 4:00, and ask students for the time. Students have learned this as "4 o'clock" in *Primary Mathematics (Standards Edition) Grade 1*. Next, move the minute hand around half-way. Ask students how far around the clock face the hand moved, and ask them for the time. They have learned this is "half past 4". Call on students to set their clocks for given times on the hour or half-hour.	 
Activity	Have students identify the number of intervals between two numbers, by counting by the small notches on the clock face. Tell the class that when the minute hand moves from one small notch to the next it has moved 1 minute. There are 5 minutes between one number (represented by a larger notch) and the next. Start the minute hand at 12 and have the students count by 5 as you move it from number to number. Lead them to see that there are 60 minutes in an hour.	

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