Time to the Half Hour

Skill 5

Objective
To identify time to the nearest half hour

Vocabulary
half hour A unit of time equal to 30 minutes

hour hand The short hand on an analog clock

minute hand The long hand on an analog clock

COMMON ERROR

- Students may not understand why the minute hand points to the 6 on the half hour.

- To correct this, explain that the minute hand starts on the 12 and moves once around the clock in one hour. So, in a half hour, the minute hand moves halfway around the clock and points to the 6.

Learn the Math **page IN19** Point out the hour and minute hands as parts of an analog clock.

Guide students through Step 1. Ask: **Which hand is the hour hand?** the shorter hand Explain to students that the time is after 11 o'clock, but not yet 12 o'clock. In Step 2, ask: **Which hand is the minute hand?** the longer hand Say: **When the minute hand points to 6, the time is to the half hour. This means it is 30 minutes after the hour.**

Guide students through Step 3. Explain to them that on a digital clock the number to the left of the colon shows the hour, and the number to the right of the colon shows the minutes. Say: **On the half hour, the digital clock shows 30 minutes.**

REASONING Ask: **Where does the hour hand move in one hour?** from one number to the next Explain that in one half hour, the hour hand moves halfway between one number and the next.

Do the Math **page IN20** Read and discuss Exercise 1 with students. Guide them to solve the problem. Ask: **Where do you write the hour on the digital clock?** to the left of the colon **Where do you write the minutes on the digital clock?** to the right of the colon

Assign Exercises 2–7 and monitor students' work.

Discuss Problem 8 with students. Check that they understand how time is shown on both analog and digital clocks. Ask: **Where should you draw the minute hand and the hour hand on the analog clock?** The minute hand should point to the 6 and the hour hand should point between the 7 and the 8. Check students' clocks.

Students who make more than 2 errors in Exercises 1–8 may benefit from the **Alternative Teaching Strategy**.

Alternative Teaching Strategy
Manipulatives: clock faces

Give each pair of students a clock face. Discuss the parts of an analog clock. Have students move the minute hand on their clock face so it points to the number 6. Explain that when the minute hand points to the 6, the clock shows the time to the half hour. Have students move the hour hand on their clock faces so it points to various times to the half hour. Ask pairs of students to write and say the time for each time to the half hour.

Name _____

Learn the Math

Leo's guitar lesson begins at the time shown on the clock. At what time does Leo's guitar lesson begin?

Step 1 Look at the hour hand.		The hour hand points between the 11 and the 12. This means the hour is 11.
Step 2 Look at the minute hand.		The minute hand points to the __6__. This means it is 30 minutes after the hour.
Step 3 Write the time.		The digital clock shows time to the __half__ hour. It is __11:30__

So, the lesson begins at __11:30__, or __30__ minutes after __11__ o'clock.

REASONING Why does the hour hand point halfway between the 11 and the 12 at 11:30?

Possible answer: 11:30 is halfway between 11 o'clock and 12 o'clock. So, the hour hand should point halfway between 11 and 12.

Response to Intervention • Tier 2 **IN19**

Do the Math

1. The clock shows the time that Ali goes to art class. What time does Ali go to art class?

• Look at the hour hand.
The hour hand points between the __2__ and the __3__.
This means the hour is __2__.

• Look at the minute hand.
The minute hand points to the __6__.
This means it is __30__ minutes after the hour.

• Write the time the clock shows.

So, Ali goes to art class at __2:30__.

2 : 30

Read the clock. Write the time.

2.

__9__ : __30__

3.

__4__ : __30__

4.

__1__ : __30__

5.

__3 : 30__

6.

__6 : 30__

7.

__10 : 30__

8. The time is after 7 o'clock but before 8 o'clock. The minute hand points to the 6. Show the time on both clocks.

__7 : 30__

IN20 Response to Intervention • Tier 2

Name _____

Learn the Math

Leo's guitar lesson begins at the time shown on the clock. At what time does Leo's guitar lesson begin?

Vocabulary

half hour
hour hand
minute hand

Step 1 Look at the hour hand.	hour hand	The hour hand points between the 11 and the 12. This means the hour is 11.
Step 2 Look at the minute hand.	minute hand	The minute hand points to the **6**. This means it is 30 minutes after the hour.
Step 3 Write the time.	hour minutes 11:30	The digital clock shows time to the **half** hour. It is **11:30**.

So, the lesson begins at **11:30**, or **30** minutes after **11** o'clock.

REASONING Why does the hour hand point halfway between the 11 and the 12 at 11:30?

Possible answer: 11:30 is halfway between 11 o'clock and 12 o'clock. So, the hour hand should point halfway between 11 and 12.

1. The clock shows the time that Ali goes to art class. What time does Ali go to art class?

> **Remember**
> On the half hour, the minute hand points to the 6.

- Look at the hour hand.

  The hour hand points between

  the __**2**__ and the __**3**__.

  This means the hour is __**2**__.

- Look at the minute hand.

  The minute hand points to the __**6**__.

  This means it is __**30**__ minutes after the hour.

- Write the time the clock shows.

  So, Ali goes to art class at __**2:30**__.

2 : 30

Read the clock. Write the time.

2.

__**9**__ :__**30**__

3.

__**4**__ :__**30**__

4.

___ :__**30**__

5.

3:30

6.

6:30

7.

10:30

8. The time is after 7 o'clock but before 8 o'clock. The minute hand points to the 6. Show the time on both clocks.

__**7 : 30**__