Subject: Mathematics

Level: Standard Four

Strand: Measurement

Topic: **Time**

By the end of this worksheet you will be able to:

- **Solve problems using the analog clock.**

Key Points:

- The short hand on the clock is the hour hand.

- The long hand on the clock is the minute hand.

- Some analog clocks have a third hand that goes faster than the other two hands. This is the second hand.

- There are five evenly spaced units between consecutive numbers. When the minute hand moves to one of these units, it represents 1 minute. Hence, when it moves to consecutive digits e.g. from 2 to 3, it represents five minutes.

- When the long hand has past 12 and is before 6, we say minutes after/past the hour.

- When the long hand has past 6 and is before 12, we say minutes to the hour.

- When the long hand is on 6, we say half past the hour.

Example 1

Look at the analog clock to the right. The following are

applicable:

The hour hand (short hand) is on 11.

The minute hand (long hand) is seven units past 12.

The time on the clock is **seven minutes past eleven**.

Example 2

Laura left home at ten minutes after ten. She got to her Cousin

Kara's house 20 minutes later. What time did Laura arrive at
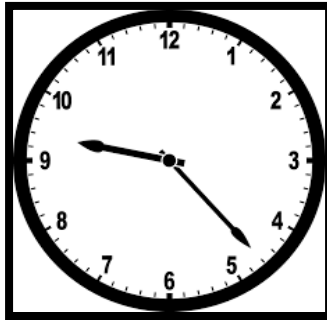
Kara's house?

Solution

Using the clock, count 20 units in a clockwise direction starting from ten

minutes past 10, gives the time Laura arrived at Kara's house.

Therefore, Laura got to Kara's house at **half past ten**
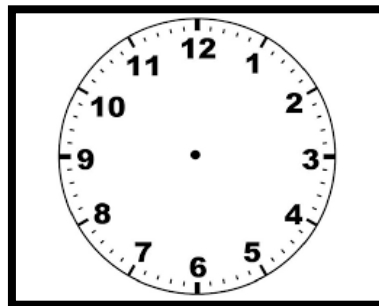
ACTIVITY 1

Instructions: Give all the answers to the following questions in analog form.

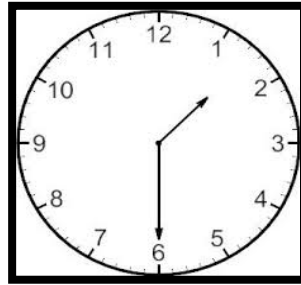1. What time is shown on the clock?

      Answer _____

2. Draw in the hands on the clock to show twenty-five minutes to five.

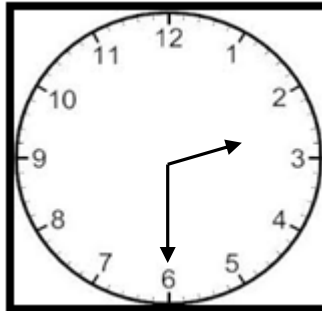3. The clock shown is 15 minutes slow.

To which number should the long hand be pointing, to reflect the correct time?
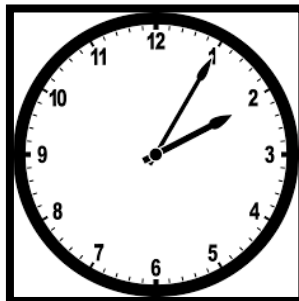
Answer _____

ACTIVITY 2

1. A concert starts at half past 2. Max is 25 minutes early. What time did Max arrive to the concert?

   Answer _____

2. Mr. James left work at the time shown below. He arrived home 40 minutes later. At what time did Mr. James get home?

   Answer _____

3. Nick started his homework at 5 o'clock. It took him 1hr and 15

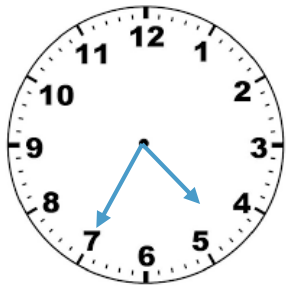minutes to complete. At what time did Nick finish his homework?

Answer _____

ANSWER KEY

ACTIVITY 1

1. Twenty-three minutes past nine

2.

3. **9**

ACTIVITY 2

1. Five minutes after two

2. Fifteen minutes to three

3. Fifteen minutes after six