


Grade 4 Mathematics

Measurement: Lesson 8

Read aloud to the students the material that is printed in **boldface type** inside the boxes. Information in regular type inside the boxes and all information outside the boxes should **not** be read to students. Possible student responses are included in parentheses after the questions.

NOTE: The directions read to students may depend on the available materials. Read only those parts of the lesson that apply to the materials you are using.

Any directions that ask you to do something, such as to turn to a page or to hand out materials to students, will have an arrow symbol () by them.

Purpose of Lesson 8:

- In this lesson, the tutor and the students will
 - ✓ solve problems involving elapsed time in days, weeks, months, and years.

Equipment/Materials Needed:

- Copies of Student Sheet 108
- Paper and pencils
- Chalkboard

Preparations before beginning Lesson 8:

- Run one copy of Student Sheet 108 for each student.
- Have paper and pencils available.
- Lesson 6 in Measurement focused on calendars; it should be covered before this lesson.

Lesson 8: Measurement

Lesson 6 in Measurement focused on calendars. You may want to refer to that lesson. This lesson will focus on word problems without a calendar's being visible.

Say:

In Lesson 7 of Measurement, you answered questions about elapsed time by using minutes and hours. In this lesson, you will answer questions about elapsed time by using days, weeks, months, and years.

 Ask questions such as these:

How many days are in a week? (7)

How many days are in two weeks? (14)

How many weeks are in 21 days? (3)

How many weeks are in a month? (4)


How many weeks are in 6 months? (24)

How many months are in 8 weeks? (2)

How months are in a year? (12)


How many months are in 2 years? (24)

You may need to ask more question of these types.

 Give students Student Sheet 108. You may want to cut the problems apart so that the students can focus on only one problem at a time. Discussion is critical.

Answers:

- | | |
|---------------------|-------------------|
| 1. May 14, 1990 | 2. December 18 |
| 3. 21 days, 3 weeks | 4. October 13 |
| 5. August | 6. 5 months older |
| 7. March 8 | 8. 20 years old |
| 9. Morgan's, 2 days | 10. 1979 |

 Have one student summarize today's lesson. Being able to find elapsed time involving weeks, months, and years is an important real-life skill.

Student Sheet 108 (Measurement: Lesson 8)

Answer the following questions about time.

1. The movie *The Fastest Forward* took only 13 days to make. The movie was finished and shown for the first time on May 27, 1990. What day did they begin this film?
2. The Hoffman's left on a two-week vacation on December 4th. When did they return?
3. Jordy was nine years old on July 2nd. Raquel was nine years old on July 23rd. How many days older is Jordy? How many weeks older is Jordy?
4. Mary will arrive at the hotel on October 10th. She will stay three nights. What date will she check out of the hotel?
5. Halley's appointment with the dentist was on February 10th. The dentist wants to see Halley in six months. In what month should Halley make an appointment?
6. Nancy was born on January 22nd. Tom was born on June 22nd in the same year. How many months older is Nancy?
7. Many airlines make you purchase a ticket 14 days before your flight. If Nina is leaving on March 22nd, on what day should she purchase her ticket?
8. Teddy was born on August 8, 1981. How old will he be on his birthday in 2001?
9. Yvonne's vacation is from June 15th to June 27th. Morgan's vacation starts on June 15th and lasts two weeks. Whose vacation is longer? How much longer?
10. Jason was 22 years old on November 2, 2001. In what year was he born?