Home Practice

Part 1. (TG p. 1)

Questions A–J

- **A.** 16
- **B.** 21
- **C.** 20
- **D.** 21
- **E.** 100
- **F.** 110
- **G.** 120
- **H.** 150
- **I.** 105
- **J.** 105

Part 2. (TG p. 1)

Questions 1–4

Answers will vary. An example of a categorical variable is Type of Drinks. Values for this variable are iced tea, milk, and fruit juice. An example of a numerical variable is Number of Windows in Each Room. Values for this variable are 0, 1, 2, 3, etc.

Part 3. (TG p. 2)

Questions 1–4

1. 6 pieces of candy; arrange the numbers in order and select the middle number.

2. 13 cm; arrange the numbers in order, select the two middle numbers, and find the number halfway between the two middle numbers.

3. 40 minutes; the five numbers are: 0, 30, 40, 45, and 60. The median is 40 minutes.

4. 24 raisins; arrange the numbers in order. The two middle numbers are 23 and 25, so the median is 24 raisins.

Name _____ Date _____

Unit 1: Home Practice

Part 1 Addition Practice

Solve the following addition problems. Try to solve the problems without paper and pencil. Be prepared to share your solution strategies.

- **A.** 8 + 3 + 5 = _____
- **B.** 9 + 7 + 5 = _____
- **C.** 6 + 8 + 6 = _____
- **D.** 4 + 8 + 9 = _____
- **E.** 70 + 30 = _____
- **F.** 60 + 20 + 30 = _____
- **G.** 50 + 70 = _____
- **H.** 30 + 50 + 70 = _____
- **I.** 20 + 85 = _____
- **J.** 10 + 80 + 15 = _____

Part 2 Naming Variables and Values

Look around your home and find four variables. Find two numerical variables and two categorical variables. Then, name some values for each of your variables. Be prepared to discuss and compare your findings. For example: Type of Drinks is a categorical variable. Some values for this variable are iced tea, milk, and fruit juice.

1. Variable: _____ numerical or categorical (circle one)

   Values of your variable:

2. Variable: _____ numerical or categorical (circle one)

   Values of your variable:

3. Variable: _____ numerical or categorical (circle one)

   Values of your variable:

4. Variable: _____ numerical or categorical (circle one)

   Values of your variable:

Teacher Guide - **Page 1**

Name _____ Date _____

Part 3 Finding the Median

Use a separate sheet of paper to write your answers and explanations.

1. Mr. Lewis's fourth-grade class did an experiment with colored candies. Five students took a handful of candy. They pulled 12, 6, 5, 3, and 7 pieces of candy. What is the median number of candies pulled? Show how you decided.

2. Lee Yah measured the hand lengths of the people in her family. Her grandmother's hand measured 15 cm in length. Her two sisters' hand lengths were 12 cm and 10 cm. Her mother's hand length was 14 cm. Her father's hand length was 18 cm. Lee Yah's hand measured 12 cm. What is the median hand length in Lee Yah's family? Show how you decided.

3. The fourth-grade soccer team at Bessie Coleman School practices after school. This week they practiced for 45 minutes on Monday, 30 minutes on Tuesday, an hour on Thursday, and 40 minutes on Friday. They skipped practice on Wednesday. What is the median number of minutes they practiced for the five days? Show how you decided.

4. Eight of Mrs. Dewey's students stayed after school to help her decorate her bulletin boards. She gave each student a box of raisins as a treat. Each student counted the number of raisins in his or her box. Here is their data: 23, 27, 22, 26, 21, 27, 25, and 23. Based on the students' data, what is the median number of raisins found in a box? Show how you decided.

Teacher Guide - **Page 2**

Teacher Guide - Page 3

Teacher Guide - Page 4

Part 4. (TG p. 3)

Answers will vary.

Part 5. (TG p. 3)

Questions 1–3

1. 1 inch

   _____ 1 cm

   _____ 1 inch

2. 3 inches

   _____ 5 cm

   _____ 3 inches

3. **A.** 40 centimeters

   B. Answers will vary. Students might draw the lines and compare them, or a student could estimate from a 12-inch/centimeter ruler. 12 inches is about 30 centimeters. An additional inch is about 2 centimeters. So 13 inches would be about 32 centimeters.

Part 6. (TG p. 4)

Questions 1–6

1. 220 cards; 250 cards $-$ 30 cards $=$ 220 cards

2. About 50 minutes; Keenya listened to 20 songs. 2 minutes per song $\times$ 20 songs $=$ 40 minutes; 3 minutes per song $\times$ 20 songs $=$ 60 minutes, halfway between 40 minutes and 60 minutes is 50 minutes.

3. **A.** 234 pages; 158 pages $+$ 76 pages $=$ 234 pages

   B. No; two weeks is 14 days; $14 \times 10 =$ 140 pages

4. 114 miles; 36 miles $+$ 33 miles $+$ 45 miles $=$ 114 miles

5. Yes; 20 minutes $+$ 15 minutes $+$ 7 minutes $=$ 42 minutes. There are 45 minutes between 4:30 and 5:15.

6. Answers will vary. Possible response: I practiced piano for a total of $2\frac{1}{2}$ hours this week. I practiced four times. On the first day I practiced for 45 minutes. I practiced for 30 minutes on day two and 30 minutes on day three. How long did I practice on day four?
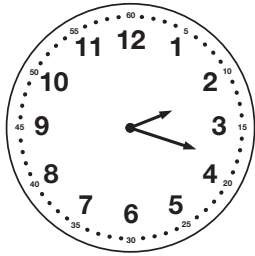
Part 7. (TG p. 5)

Questions 1–7

1.
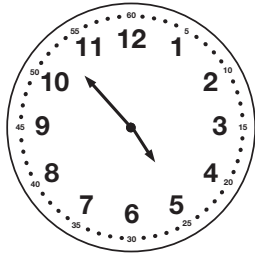
2.

3.–7. Answers will vary.

Name _____ Date _____

Part 7 Time

Read the time on the clock, and then draw the same time on the other clock.
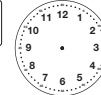
1. `4:53`   2.

Write the times on the digital and analog clocks.

3. What time is it now?   4. What time is your bedtime?

Estimate the time.

5. About how many hours until your bedtime?

6. About how many hours ago did you wake up?

7. About how many hours until your next school day begins?

5 **TG · Grade 4 · Unit 1 · Home Practice**

Teacher Guide **- Page 5**