

Math Message Lesson 1.1

Study your assigned topic on journal page 1 with your group. Find examples of this topic in Math Boxes and on journal pages. Record these page numbers.

Math Message Lesson 1.2

Cut 1 copy of *Math Masters*, page 7, into 5 pieces. Complete the statements at the top of journal page 6. Do not share your answers.

Math Message Lesson 1.3

Complete Problems 1–3 on journal page 9. Be prepared to discuss your answers.

Math Message Lesson 1.4

Complete Problem 1 on journal page 14.

Math Message Lesson 1.5

Mentally calculate the range and mean for each of the following data sets.

- 9, 6, 10, 5, 15
- 20, 23, 10, 18, 19
- 35, 28, 15, 27, 40

Math Message Lesson 1.6

Turn to page 140 in your *Student Reference Book*. Use the graph in the example to answer the following questions:

- What do the horizontal and vertical axes show?
- What can you conclude from the graph?

Math Message Lesson 1.7

Complete journal page 21.

Math Message Lesson 1.8

Complete journal page 25.

Math Message Lesson 1.9

Use one strip of the *Sports Team Survey* questions. Complete the information on the strip. Fold each strip in half. Do not share your answers.

Math Message Lesson 1.10

Use a sheet of $\frac{1}{4}$ -inch Grid Paper (*Math Masters*, p. 407) to complete Problems 1 and 2 on journal page 34.

Math Message Lesson 1.11

Estimate the following figures before looking at journal page 36.

- the number of people living in the United States
- the number of pizzas the average person eats in one year
- the number of times each day that the average person drives his or her car

Math Message Lesson 1.12

Complete the Math Message on journal page 40 with a partner.

Math Message Lesson 1.13

Complete the Self Assessment (*Assessment Masters*, page 138).

Math Message Lesson 2.1

Complete the Math Message on journal page 45.

Math Message Lesson 2.2

Complete the Math Message on journal page 48.

Math Message Lesson 2.3

List the following decimals in a column so the digits are lined up by place value.

70.5; 501; 109.4; 9.892; 0.29;
354.399; 3,897.0041

Math Message Lesson 2.4

Complete Problems 1–3 on journal page 56.

Math Message Lesson 2.5

Complete Problems 1a and 1b at the top of journal page 59.

Math Message Lesson 2.6

Complete Problems 1 and 2 at the top of journal page 62.

Math Message Lesson 2.7

Josie has 327 photographs. She can put 12 photos on each page of her scrapbook. Estimate the number of scrapbook pages she will need.

Math Message Lesson 2.8

A spool contains 96.2 yards of ribbon. You want to cut the ribbon into 13 pieces, all the same length. About how long should each piece be? Do not calculate the exact answer.

Math Message Lesson 2.9

In Lesson 2-4, you multiplied numbers by powers of 10. Review your answers to Problems 1–3 on journal page 56. Then find the following products:

$$5 * 10^6 \quad 4 * 10^{-3} \quad 9 * 10^9 \quad 3 * 10^{-6}$$

Math Message Lesson 2.10

Work with a partner to find a way to use the keys on your calculator to find the values of 18^3 and 6^7 .

Math Message Lesson 2.11

Use your calculator to multiply $87,500 * 10,000,000$.

What answer does the calculator display?

Math Message Lesson 2.12

Complete the Self Assessment (*Assessment Masters*, page 144).

Math Message Lesson 3.1

1. Write the number that is the opposite of

- a. 15 b. -8 c. π d. 0 e. $-(-x)$

2. Add.

- a. $5 + -5$ b. $-2.6 + 2.6$
c. $-(-11) + (-11)$ d. $y + (-y)$

Math Message Lesson 3.2

Study the example at the top of journal page 86. Write two more special cases for the general pattern.

Math Message Lesson 3.3

John is 4 years older than Mike. How old is John?

Math Message Lesson 3.4

Write an algebraic expression for the following. Use the suggested variable(s).

The perimeter of a square is 4 times the length of one side. If the length of one side is s , what is the perimeter?

Math Message Lesson 3.5

Complete Problems 1 and 2 on journal page 98.

Math Message Lesson 3.6

Complete the problems on journal page 102.

Math Message Lesson 3.7

Read *Student Reference Book*, page 142 with a partner. What is the balance due to the electric company? Which parts of the spreadsheet will change when Everyday Rentals pays the balance due on the water bill?

Math Message Lesson 3.8

Complete the problems on journal page 112.

Math Message Lesson 3.9

Complete the problems on journal page 115.

Math Message Lesson 3.10

Suppose you get a summer job that pays \$5.20 per hour and you work $3\frac{1}{2}$ hours each day, 5 days per week. Estimate the number of weeks it would take you to earn a total of \$800.

Math Message Lesson 3.11

Complete the Self Assessment (*Assessment Masters*, page 150).

Math Message Lesson 4.1

Complete Problem 1 on journal page 123.

Math Message Lesson 4.2

Complete Problems 1–4 on journal page 127.

Math Message Lesson 4.3

Complete journal page 129.

Math Message Lesson 4.4

Complete a copy of the Math Message problem.

Math Message Lesson 4.5

Complete a copy of the Math Message problems.

Math Message Lesson 4.6

Complete Problems 1–3 on journal page 140.

Math Message Lesson 4.7

Complete a copy of the Math Message problems.

Math Message Lesson 4.8

Complete Problems 1–3 on journal page 148.

Math Message Lesson 4.9

Complete Problems 1–4 on journal page 150.

Math Message Lesson 4.10

Solve the Math Message problems.

Math Message Lesson 4.11

Working with a partner, review the methods for finding a percent of a number on *Student Reference Book*, pages 49 and 50. Use one of the methods to solve Problems 1 and 2 on journal page 158. Be prepared to explain why you prefer one method over another.

Math Message Lesson 4.12

Complete the Self Assessment (*Assessment Masters*, page 156).

Math Message Lesson 5.1

Do Problems 1–5 on journal page 162. Use page 160 of the *Student Reference Book* to check your answers.

Math Message Lesson 5.2

Measure the angles in Problems 1 and 2 on journal page 166. Then answer the question in Problem 3.

Math Message Lesson 5.3

Complete the Math Message on journal page 169.

Math Message Lesson 5.4

Read page 234 of the *Student Reference Book*. Then complete the problems on journal page 174.

Math Message Lesson 5.5

Study Problem 1 and complete Problem 2 on journal page 178.

Math Message Lesson 5.6

Complete the Math Message on journal page 184.

Math Message Lesson 5.7

Read the directions on page 188 of the *Student Reference Book*. Use a compass to draw three concentric circles on a separate sheet of paper.

Math Message Lesson 5.8

Draw an angle. Copy your angle using only a compass and a straightedge.

Math Message Lesson 5.9

Complete the problems on journal page 194.

Math Message Lesson 5.10

List all the things that you think are true about parallelograms.

Math Message Lesson 5.11

Complete the Self Assessment (*Assessment Masters*, page 161).