Math Message Lesson 6.1
Complete Problems 1–3 on journal page 205.

Math Message Lesson 6.2
Solve Problems 1–4 on journal page 208.

Math Message Lesson 6.3
Complete Problems 1 and 2 on journal page 211.

Math Message Lesson 6.4
Complete the problems on journal page 214.

Math Message Lesson 6.5
- How many positive numbers are there?
- How many negative numbers are there?
- How many numbers are neither positive nor negative?
- Name one positive and one negative number, each of which is very close to 0.

Math Message Lesson 6.6
Evaluate the following expressions.

1. $12 - 8 / 4$ **2.** $24 / 3 + 6$
3. $6 * 5 = 7$ **4.** $17 - 9 * 3$
5. $15 + 6^2 / 3$ **6.** $2^3 / 8 + 3$

Math Message Lesson 6.7
Identify the following symbols.

1. $\neq$ **2.** $<$
3. $>$ **4.** $=$
5. $\leq$ **6.** $\geq$

Math Message Lesson 6.8
Given $3x - 4 = 20$, explain how you
know the solution is 8.

Math Message Lesson 6.9
Solve each equation. Then write a
number sentence substituting your
solution for the variable.

1. $(3 * x) + 7 = 13$
2. $(y * 3) + 1 = 25$
3. $34 - 15 = 1 + (6 * t)$
4. $10 = 60 - (4 * m)$

Math Message Lesson 6.10
Explain why these three equations
are equivalent.

$8x + 20 = 12x + 16$
$4x + 10 = 6x + 8$
$2x + 5 = 3x + 4$

Math Message Lesson 6.11
Solve the equation $4x - 6 = x + 3$.

Check your solution.

Math Message Lesson 6.12
Tell whether each inequality is true or false.

1. $5 * 4 \neq 20$
2. $5 * 4 \leq 20$
3. $\dfrac{54}{9} > 7$
4. $17 - 6 \geq 9$

Work with a partner to write an inequality that is neither true nor false.

Math Message Lesson 6.13
Complete the Self Assessment (*Assessment Masters,* page 166).

Math Message Lesson 7.1
Complete the problems on journal page 247.

Math Message Lesson 7.2
Complete Problem 1 on journal page 250.

Math Message Lesson 7.3
List all the 2-digit whole numbers you can make using only the digits 1 and 2. You are allowed to repeat digits. Find the percent of the numbers in your list that are made up of the same digit.

Math Message Lesson 7.4
Complete Problems 1 and 2 on journal page 257 with a partner.

Math Message Lesson 7.5
Tim is late to school about 1 school day out of 10. At this rate, about how many school days out of 30 would you expect Tim to be late? About how many school days out of 200?

Math Message Lesson 7.6
Complete Problems 1–4 on journal page 264.

Math Message Lesson 7.7
Use 3 black counters, 2 white counters, and a paper bag to play each of Games 1, 2, and 3 on journal page 268. Play each game 6 times. Record the results. Answer the question about Game 4.

Math Message Lesson 7.8
Complete Problems 1–3 on journal page 270.

Math Message Lesson 7.9
Complete the Self Assessment (*Assessment Masters,* page 171).

Math Message Lesson 8.1
Complete Problems 1 and 2 at the top of journal page 278.

Math Message Lesson 8.2
Solve Problems 1–3 on journal page 282.

Math Message Lesson 8.3
Complete the problems on journal page 286.

Math Message Lesson 8.4
Solve Problems 1–5 on journal page 290.

Math Message Lesson 8.5
Study the nutrition labels that you and other students have collected. Work with a partner to identify words and symbols that appear on most nutrition labels.

Math Message Lesson 8.6
Solve Problems 1–6 on journal page 300.

Math Message Lesson 8.7
Solve Problems 1–4 at the top of page 304 in your journal.

Math Message Lesson 8.8
The Dress-Rite men's clothing store is having a sale. The price of every sale item is $\frac{4}{5}$ its regular price. What percent of the regular price must you pay for a sale item?

Math Message Lesson 8.9
Take a copy of the Math Message
and solve the problem.

Math Message Lesson 8.10
Use the information on page 179 in
your *Student Reference Book* to
answer the following questions:

- Are congruent figures similar?
- What is true about the ratios of the
  lengths of corresponding sides?

Math Message Lesson 8.11
Record the number of females and
the number of males in your
household on the survey slip.

NOTE *You may want to have students
work on Math Boxes while you
tabulate the total numbers of females
and males in all students'
households.*

Math Message Lesson 8.12
Complete Problems 1–6 on page 320
in your journal. Do not draw a square
for Problem 1.

NOTE *If a student draws a square in
Problem 1, the ratio in Problem 5 will
be* $\frac{0}{0}$.

Math Message Lesson 8.13
Complete the Self Assessment
(*Assessment Masters,* page 176).

Math Message Lesson 9.1
Complete Problem 1 on journal page
324.

Math Message Lesson 9.2
Be ready to explain how to mentally
find the following products:

$$4 * 36 = ?$$
$$99 * 8 = ?$$
$$\$11.50 * 5 = ?$$

Math Message Lesson 9.3
These expressions have two terms.
Rewrite each expression as a single
term.

$$4y + 7y \qquad\qquad 4y - 7y$$

Math Message Lesson 9.4
Read and complete the Math
Message.

Math Message Lesson 9.5
Read pages 251 and 252 in your *Student Reference Book.* Explain why the following three equations are equivalent.

$$\frac{2}{3}y + 4 = 10$$

$$2y - (-12) = 30$$

$$150 = 60 + 10y$$

Math Message Lesson 9.6
Solve for the variable.

1. $6 * 7 = 10 * x$
2. $(7 * 10) + (25 * 2) = 5m * 6$
3. $(\frac{1}{3}n * 12) + (4 * 3) = 4 * 6$
4. $40 * 2r = 30(2r + 6)$
5. $(2b + 2)8 = (4b - 10)6$

Math Message Lesson 9.7
Complete the Math Message problems.

Math Message Lesson 9.8
Complete the problems on journal page 345.

Math Message Lesson 9.9
The formula for the volume of
a sphere is $V = \frac{4}{3}\pi r^3$, where
V = volume and r = radius. Use the
$\boxed{\pi}$ key on your calculator to find the
volume of a ball with a radius of 2 cm.
Record your answer to the nearest
tenth of a centimeter.

Math Message Lesson 9.10
Use your calculator and the method
of your choice to solve $\frac{1}{x} = 4$. Be
prepared to share your method.

Math Message Lesson 9.11
All edges of a cube are the same
length. Write a formula for the volume
of a cube with edges of length $s.$

Math Message Lesson 9.12
Read the top of journal page 362 and
complete the first three problems.

Math Message Lesson 9.13
After reading page 179 of the *Student
Reference Book,* work with a partner
to write one question that can be
answered using the information on
that page.

Math Message Lesson 9.14
Complete the Self Assessment
(*Assessment Masters,* page 182).

Math Message Lesson 10.1
Which pattern-block shapes (labeled
PB) on your Geometry Template are
regular polygons? Be prepared to
explain your answer.

Math Message Lesson 10.2
Read page 359 in your *Student
Reference Book.* Identify the
transformation(s) that move one sea
horse figure onto another.

Math Message Lesson 10.3
Carefully tear Activity Sheet 7 from
the back of your journal. Cut only
along dashed lines. Cut out the
rectangles in the left column. Then
cut along the dashed lines to remove
the figures in the right column. Is the
parallelogram symmetric? Be
prepared to explain your answer.

Math Message Lesson 10.4
Work with a partner to complete the
problem described on journal page
378.

Math Message Lesson 10.5
Refer to the loop your teacher has displayed. How many sides does this loop of paper have? How many edges?

Math Message Lesson 10.6
Complete the Self Assessment (*Assessment Masters,* page 188).