

Math Message Lesson 7.1

List three ways that fractions are used outside of your math class.

Math Message Lesson 7.2

Take 20 pennies. Show $\frac{1}{2}$ of 20.

Math Message Lesson 7.3

Which phrase—*extremely likely*, *50-50 chance*, or *very unlikely*—best describes the chance of picking a red card from a regular deck of playing cards?

Math Message Lesson 7.4

$\frac{1}{2}$ of the students in Mrs. Lopez's class went to the soccer game.

$\frac{1}{2}$ of the students in Mr. Williams's class also went to the game.

Did the same number of students from each class go to the game?

Math Message Lesson 7.5

If the hexagon pattern block is the whole, what fractions are represented by the trapezoid, the rhombus, and the triangle?

Math Message Lesson 7.6

Take out your Fraction Cards. Write down two things that you notice about the cards.

Math Message Lesson 7.7

Complete journal page 201.

Math Message Lesson 7.8

Write the following fractions as decimals:

$$\frac{1}{10}$$

$$\frac{32}{100}$$

$$\frac{7}{10}$$

$$\frac{9}{100}$$

Math Message Lesson 7.9

Work with a partner to solve Problems 1 and 2 on journal page 205.

Math Message Lesson 7.10

Solve Problems 1 and 2 at the top of journal page 208.

Math Message Lesson 7.11

Think of a game you like in which the players roll dice. Be prepared to explain how dice are used in the game.

Math Message Lesson 7.12

Complete journal page 213.

Math Message Lesson 7.13

Complete the Self Assessment
(*Assessment Handbook*, page 184).

Math Message Lesson 8.1

Complete Problems 1 and 2 on
journal page 220.

Math Message Lesson 8.2

Work with a partner and estimate:

The long side of our classroom is
about ____ feet long. The short side is
about ____ feet long.

Write your estimates in the table on
the board.

Dimensions of Classroom

Longer Side (feet)	Shorter Side (feet)

Math Message Lesson 8.3

Read page 133 of your *Student
Reference Book*. Be ready to
describe a situation in which you
would need to know the area of a
surface.

Math Message Lesson 8.4

Take 3 sheets of grid paper. Cut and tape the grids to make a square with sides that measure 1 foot (12 inches). How many square inches are there in 1 square foot?

Math Message Lesson 8.5

Complete Problem 1 on journal page 232.

Math Message Lesson 8.6

Take 2 short straws, 2 long straws, and 4 twist-ties. Use them to construct a parallelogram.

Math Message Lesson 8.7

Make a list of everything that you know about triangles.

Math Message Lesson 8.8

Read page 295 of the *Student Reference Book*.

Be prepared to give several reasons why it is hard to measure the areas of countries, oceans, and deserts.

Math Message Lesson 8.9

Complete the Self Assessment (*Assessment Handbook*, page 189).

Math Message Lesson 9.1

Be ready to discuss the examples of percents you collected for Study Link 8-6.

Math Message Lesson 9.2

Complete Problem 1 on journal page 252.

Math Message Lesson 9.3

Use your calculator to divide the numerators of the following fractions

by the denominators: $\frac{1}{2}$, $\frac{3}{4}$, $\frac{4}{5}$, and

$\frac{6}{10}$. What do you notice?

Math Message Lesson 9.4

Experiment with the percent key on your calculator. Find a way to rename $\frac{1}{4}$ as a percent. Write your method on a half sheet of paper.

Math Message Lesson 9.5

Use your calculator to rename these fractions as percents:

$$\frac{1}{8}, \frac{3}{8}, \frac{5}{8}, \frac{7}{8}$$

Math Message Lesson 9.6

Use your calculator to rename the following fractions as percents to the nearest whole percent:

$$\frac{18}{63}, \frac{57}{78}, \frac{42}{59}, \frac{2}{47}$$

Math Message Lesson 9.7

Look at the table of data on *Student Reference Book*, page 301. Be ready to talk about what kind of information is in the table.

Math Message Lesson 9.8

Solve the problem at the top of journal page 268.

Math Message Lesson 9.9

Think of a number story that could be solved by dividing 4.2 by 7. Be prepared to discuss your answer.

Math Message Lesson 9.10

Complete the Self Assessment (*Assessment Handbook*, page 195).

Math Message Lesson 10.1

Work with a partner. Take one transparent mirror for your partnership. Read journal page 274. Then experiment with the mirror.

Math Message Lesson 10.2

Have you ever played darts or pocket billiards? Discuss the object of each game and some of the rules with a friend.

Math Message Lesson 10.3

Stand facing a partner. One partner poses. The other partner positions his or her body to be the mirror image of the partner. Then switch roles.

Math Message Lesson 10.4

What is symmetry? Be ready to name an object in the classroom that has line symmetry.

Math Message Lesson 10.5

Read page 108 in your *Student Reference Book*. Be prepared to describe what you notice about the three frieze patterns.

Math Message Lesson 10.6

Take a copy of *Math Masters*, page 320. Follow the directions and answer the questions. Share 1 transparent mirror with a partner.

Math Message Lesson 10.7

Complete the Self Assessment (*Assessment Handbook*, page 200).

Math Message Lesson 11.1

A nickel weighs about 5 grams. Look around the classroom. Find objects you think weigh about:

1 gram

10 grams

25 grams

100 grams

Math Message Lesson 11.2

Complete journal page 289.

Math Message Lesson 11.3

Open your *Student Reference Book* to page 102. Solve the following riddle: I have the same number of faces as vertices. What am I?

Math Message Lesson 11.4

Read page 137 of the *Student Reference Book*. Be prepared to explain why there is a picture of a sandbox on the page.

Math Message Lesson 11.5

Complete journal page 298.

Math Message Lesson 11.6

On a sheet of paper, list any shortcuts that you use when you add credits and debits (positive and negative numbers).

Math Message Lesson 11.7

Fill in the missing numbers in the Math Message problems at the top of journal page 305.

Math Message Lesson 11.8

Complete the Self Assessment (*Assessment Handbook*, page 206).

Math Message Lesson 12.1

Find the median for each set of numbers.

a. 4, 9, 3, 12, 15, 9, 7

b. 2, 10, 6, 9

Math Message Lesson 12.2

Flashlight batteries are on sale at 2 packages for \$3.00. What is the cost of 6 packages of batteries?

Math Message Lesson 12.3

Use a calculator to help you solve the problems at the top of journal page 316.

Math Message Lesson 12.4

Read and complete journal page 319.

Math Message Lesson 12.5

Use a calculator to help you solve the division problems at the top of journal page 322.

Math Message Lesson 12.6

Complete Problems 1–4 on journal page 324.

Math Message Lesson 12.7

Complete the Self Assessment
(*Assessment Handbook*, page 211).