

#### Focus

#### Mathematics Skills

- · estimating measurement
- comparing and ordering whole numbers, fractions, and decimals
- understanding ordered pairs
- understanding probability
- · recognizing plane figures
- · identify angles
- · solving simple equations
- · identifying equivalent fractions
- · understanding number sentences
- · understanding multiplication
- understanding factors and remainders
- · naming numerals
- understanding average (mean)
- · understanding congruence
- understanding number or shape patterns
- identifying the best measurement unit
- · recognizing fractional parts
- · estimating and rounding

## Test-taking Skills

- · working methodically
- identifying and using key words, numbers, and pictures
- · referring to a graphic
- finding the answer without computing

# Samples A and B

Distribute scratch paper to the students.

Say Turn to Lesson 8a on page 40. In this lesson you will work on math problems.

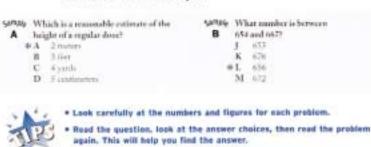
Check to see that the students have found the right page.

Say Find Sample A. Read the question to yourselves. (pause) What are you supposed to do? (estimate how high a door is) Which answer choice is correct? (answer A, 2 meters) Yes, answer A is correct. Mark circle A for Sample A in the answer rows. Make sure the circle is completely filled in with a dark mark.



# Math Concepts and Estimation

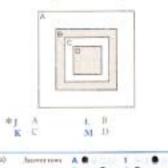
Lesson 8a Math Concepts



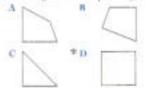
 The numbers in the tables below are related by the same rule. What number is missing in the second table?



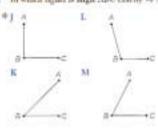
A fly is circling over the targer below.
 On which part is it most likely to limit



3 Which figure below is a parallelogram?



4 In which figure is angle AUC exactly 907



60

Check to see that the students have filled in the correct answer circle.

Say Now do Sample B. Read the question to yourself. (pause) Think about the important words and numbers in the question. Which answer is correct? (answer L) Fill in answer L for Sample B in the answer rows at the bottom of the page. Be sure you fill in the circle with a dark mark.

Check to see that the students have filled in the correct answer circle. If necessary, elaborate on the solutions to the sample items.

\*TIPS

Say Now let's look at the tips.

Have a volunteer read the tips aloud to the group.

Say Read each question carefully.
Look for important words,
numbers, and pictures in a
problem. A good strategy to use
is to read a question, look at
the answer choices, then read
the question again.

### Practice

Say We are ready for Practice. You are going to do more questions in the same way that we did the samples. Do not write anything except your answer choices in your book. If you think it will help, you may do your work on the scratch paper I gave you. Remember to look for key words, numbers, and pictures in the problems. You should also remember that you don't have to compute to find some of the answers in this lesson. When you have finished working a problem, fill in the circle for your answer in the answer rows at the bottom of the page. Make sure that the circles for your answer choices are completely filled in with dark marks. Completely erase any marks for answers that you change. When you come to the GO sign at the bottom of a page, turn the page and

Lesson Ba Math Concepts Which is the value of x if  $\frac{11}{2} = 12$ Which is the greatest common factor A 2 #C 4 of 21 and 359 в D + A mc 7 8 4 D. 9 6 Which numeral has the same value as 21.7 1. 41 10 Which is another way of writing fourteen hundredths? o K 4 M 3 0.014 # E 0.14 What should replace the \_ to make the 1.4 number sentence true? M 14  $(9 + _) + 1 = (1 + 4) + 9$ 11 Which set of numbers has the greatest B 2 average (mean)? A [1, 2, 9] \*D 4 B [2, 4, 8] \*D (5.7.9) What should replace the 145 12 The figures below are congruent. Which in the multiplication pair of parts is identical? 41 problem on the right? 145 540 5045 M 9 DE and MI BC and GH AF and CH M CD and KI 41 Answer rome 11

100

10 •

12.

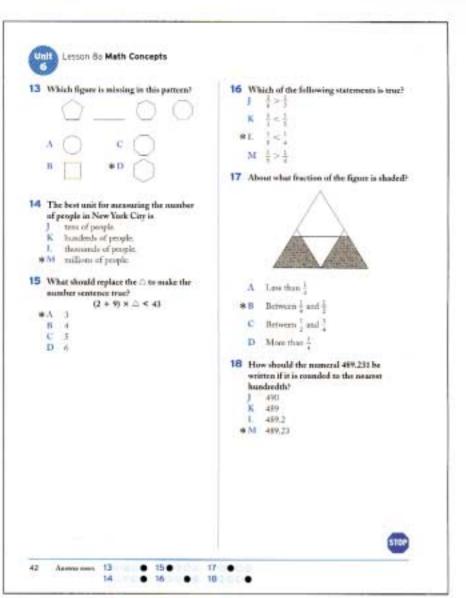
continue working. Work until you come to the STOP sign at the bottom of page 42. Do you have any questions? Start working now.

Allow time for the students to fill in their answers.

# Say You may stop working now. You have finished Lesson 8a.

Review the answers with the students. If any problems caused particular difficulty, work through each of the answer choices. It may be helpful to have the students identify the key words and numbers in each problem. It is also a good idea to have volunteers solve each problem at the chalkboard and discuss the strategies they used.

Have the students indicate completion of the lesson by entering their score for this activity on the progress chart at the beginning of the book.





### **Focus**

#### Mathematics Skills

- identifying equivalent fractions and decimals
- understanding special properties of the number 1
- · understanding simple probability
- · understanding number sentences
- · understanding ordered pairs
- solving simple equations
- · identifying parts of a figure
- understanding characteristics of related numbers
- understanding factors and remainders
- comparing and ordering whole numbers, fractions, and decimals
- understanding average (mean)
- · understanding place value

#### Test-taking Skills

- · referring to a graphic
- finding the answer without computing
- · working methodically

# Samples A and B

Distribute scratch paper to the students.

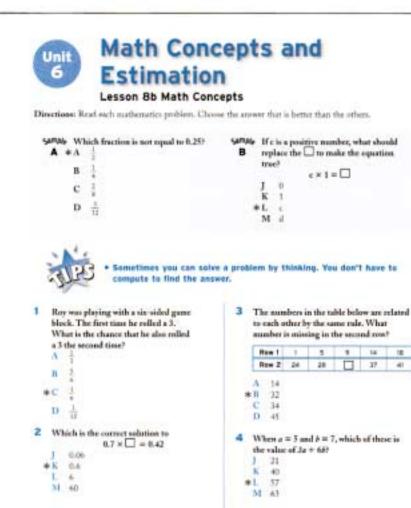
Say Turn to Lesson 8b on page 43. In this lesson you will work on more mathematics questions. Read the directions at the top of the page to yourself.

Allow time for the students to read the directions.

Say Find Sample A. Read the question to yourself. (pause) Which answer choice is correct? (answer A) Answer A is correct because all the other fractions are equal to 0.25. Mark answer A for Sample A in the answer rows. Make sure the circle is completely filled in with a dark mark.

Check to see that the students have filled in the correct answer circle.

Say Now we'll do Sample B. Read the question to yourself. (pause) Which answer is correct?



(answer L) Fill in answer L for Sample B in the answer rows at the bottom of the page. Be sure you fill in the circle with a dark mark.

Check to see that the students have filled in the correct answer circle. If necessary elaborate on the solutions to the sample items.

#### \*\*\*

Say Now let's look at the tips.

Have a volunteer read the tips aloud to the group.

Say You don't have to compute to find the answer for many of the problems in this lesson. You can think through the problem using the numbers that make up the problem.

GO

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#### Practice

Say We are ready for Practice. You are going to do more guestions in the same way that we did the samples. Do not write anything except your answer choices in your book. If you think it will help, you may do your work on scratch paper, but you should be able to solve most of the problems without computing. When you have finished working a problem, fill in the circle for your answer in the answer rows at the bottom of the page. Make sure that the circles for your answer choices are completely filled in with dark marks. Completely erase any marks for answers that you change. When you come to the GO sign at the bottom of a page, turn the page and continue working. Work until you come to the STOP sign at the bottom of page 44. Do you have any questions? Start working now.

Allow time for the students to fill in their answers.

Say You may stop working now. You have finished Lesson 8b.

Review the answers with the students. If any questions caused particular difficulty, work through

each of the answer choices. It may be helpful to have volunteers solve each problem at the chalkboard and discuss the strategies they used.

Have the students indicate completion of the lesson by entering their score for this activity on the progress chart at the beginning of the book.

