

## F. Teaching the quotient interpretation of the fraction using circles

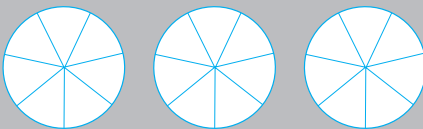
### 27. Story problems

Solve the following problems. You can use drawings, as in the example.

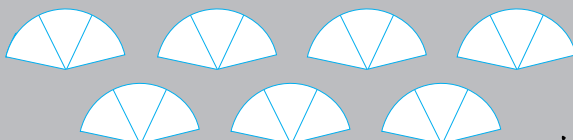
#### Example

**Problem:** 7 children want to divide 3 matzahs equally between them.  
How many matzahs will each child get?

**A solution in drawings:** a.



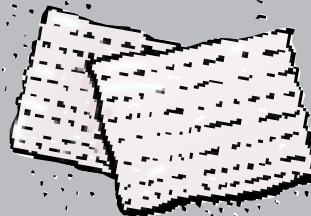
b.



exercise: \_\_\_\_\_

$$3:7 = \frac{3}{7}$$

answer: Each child will get  $\frac{3}{7}$  of matzah.



#### Discussion

- What does each circle represent in the drawing solution in the example?
- Are the matzahs you know circular?
- Can the drawing solution also be used for matzahs that are not circular?

Mother has 3 chocolate bars.

She wants to divide them equally between her 5 children.

How many chocolate bars will each child get?

exercise: \_\_\_\_\_

answer: \_\_\_\_\_

To the teacher:

- When you draw the solutions for story problems, it is advisable to ask, "What does each circle represent in the story?"  
A circle may represent a non-circular object, such as the matzah in the example or the chocolate bar in the second problem.
- The answer to a story problem should be a quantified number (a number and a denomination) or a sentence.