

Let's Make a Trade

Purpose

Students will use tens sticks and ones blocks to count and group blocks in ones and tens.

Materials

For the teacher: overhead projector, overhead base ten blocks, overhead T-chart labeled “tens” and “ones”

For each student: wooden or plastic base ten blocks, copy of Black Line Masters (BLMs) *T-Chart Work Mat*, *Let's Make a Trade*, and *Base Ten Cutouts*

Activity

A. Pre-Activity Preparation

After making one copy of the BLM *Base Ten Cutouts* for each student, cut out the ones, tens, and hundred pieces.

B. Introduction

1. Explain to students that they will be playing a trading game.
2. Tell students that in our number system, no column or “place” can hold more than nine pieces. Explain to students that as soon as 10 pieces are placed in a column, he or she has to “trade” for a piece in the next column to the left.
3. Demonstrate this on the overhead T-chart, starting with 16 ones blocks. Place one at a time in the ones column of the T-chart.
4. Have the students count along as you place blocks.
5. When you come to 10, say, “10, TRADE,” and trade the 10 ones blocks for one ten stick.
6. Continue placing the next six ones blocks as above. Ask students if the ones column can hold six blocks.
7. Tell students that another name for 16 blocks is “one ten and six ones.”

(continued)

EXTENDING THE ACTIVITY



Play the “Race to 99” game. Divide students into pairs, and give each pair two T-charts, 20 ones blocks, 9 tens sticks, and a number cube. Have students take turns rolling the number cube and adding ones blocks to the ones column on the T-chart according to the number rolled. Have students trade for a ten stick when necessary. Tell students that the first person to be able to show nine tens and nine ones (99) on his/her chart is the winner.

MEETING INDIVIDUAL NEEDS



Have students who need more concrete representation of tens and ones make “bean sticks.” Using a T-chart, have students count out beans to 10 in the ones column, glue those 10 beans onto a craft stick, and place it in the tens column. Continue until students have 9 bean sticks and 9 beans. Use these sticks and beans to have the students show different numbers on the T-chart.

Standards Links

1.1.3, 1.2.3, 1.2.4, 1.2.6

Activity (continued)

C. Student Activity

1. Have students count out 25 ones blocks.
2. Have them place and trade blocks on their copies of the BLM *T-Chart Work Mat* as you model with the overhead blocks.
3. Repeat this activity several times, observing if students are able to count and trade to group.
4. Have students complete the BLM *Let's Make a Trade* using the cutouts from the BLM *Base Ten Cutouts*.

Questions for Review

Basic Concepts and Processes

During the activity, discuss the following questions with your students to gauge their understanding of the Standard Indicator:



Can you group to trade these blocks using your T-chart?

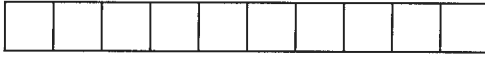


How did you know when to trade the ones blocks for a ten stick?

Name: _____

T-Chart Work Mat

TENS



ONES



T-Chart Work Mat

Teacher Directions

Have students place and trade blocks on the BLM *T-Chart Work Mat*.

Answer Key

Not applicable.



Name: _____

Let's Make a Trade

Use base ten cutouts to group and trade the following.
Glue the cutouts in the correct places.



A. 65

TENS	ONES

B. 47

TENS	ONES

C. 17

TENS	ONES

D. 29

TENS	ONES

Let's Make a Trade

Teacher Directions

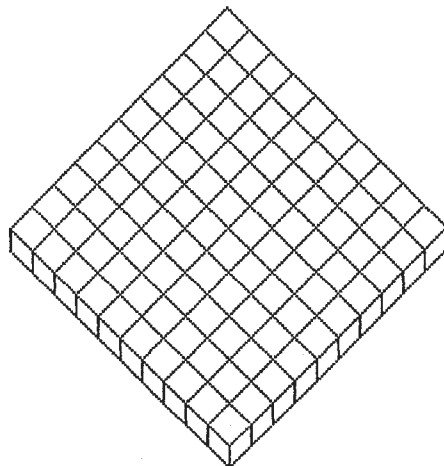
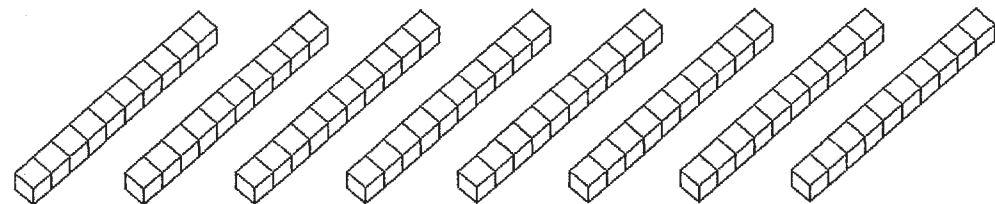
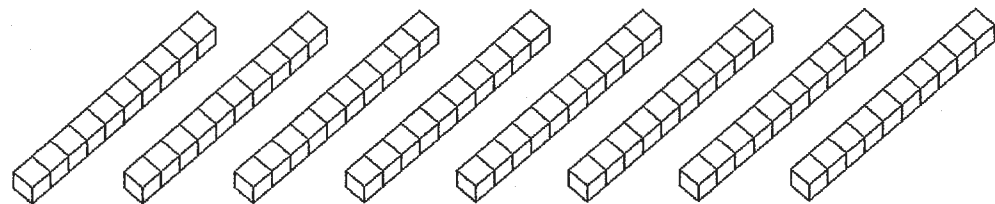
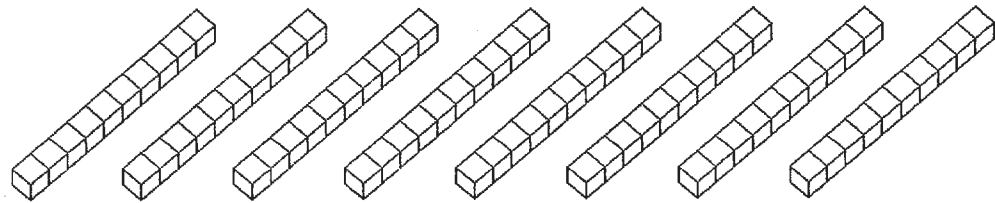
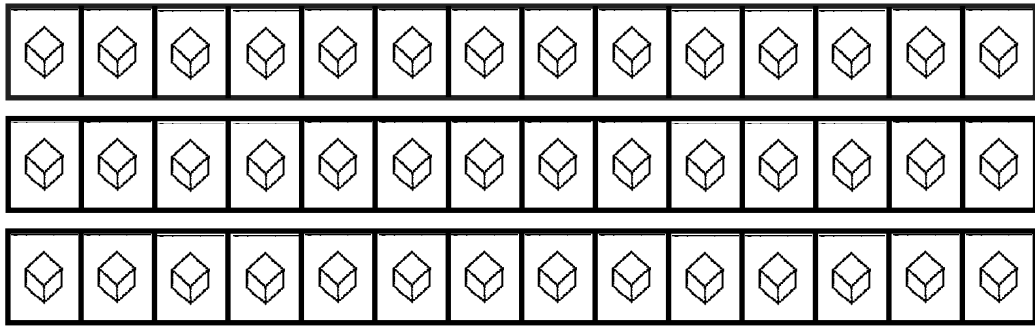
Provide each student with a copy of the BLM *Let's Make A Trade* and the pieces from the BLM *Base Ten Cutouts*. Have the students glue the correct number of cutouts for each question.

If students are having trouble regrouping, encourage them to use their work mat to group and trade before gluing the cutouts to the worksheet.

Answer Key

- A. 6 tens, 5 ones
- B. 4 tens, 7 ones
- C. 1 ten, 7 ones
- D. 2 tens, 9 ones

Base Ten Cutouts



Base Ten Cutouts

Teacher Directions

Copy the BLM *Base Ten Cutouts*, and cut out the separate shapes.

Answer Key

Not applicable.