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Measuring in Centimeters page 1 of 3

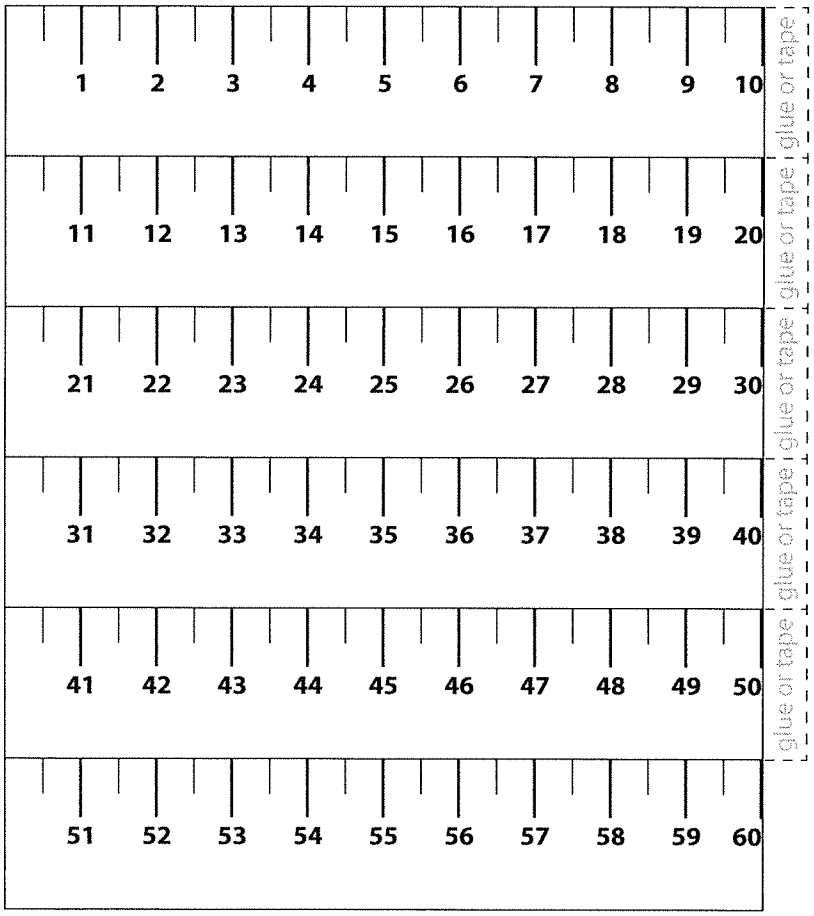
Note to Families

This Home Connection asks students to measure common items at home in centimeters. If you have a ruler or tape measure at home marked in centimeters, have your child use it. If not, you can cut out the strips below and tape or glue them together to create a measuring tape.

Measuring in Centimeters

1 Find a ruler or tape measure that is marked in centimeters. You can also cut out the strips below and tape or glue them together to make your own measuring tape.

2 By yourself or with a family member or two, measure the items listed on the worksheet and record your results.



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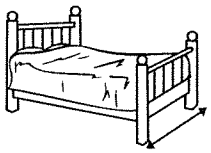
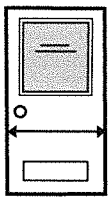
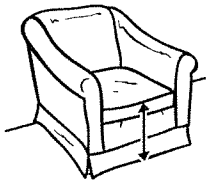
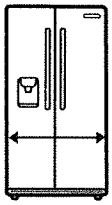
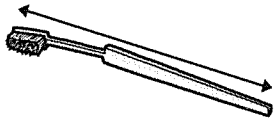
Please measure the following objects in centimeters and record the results.

Object To Be Measured	Measurement in Centimeters
1 width of your bed 	
2 width of a door 	
3 height from the floor to the seat of your favorite chair 	
4 length of a telephone or cell phone 	
5 dimensions of your favorite book (length and width) 	
6 width of your refrigerator 	
7 dimensions of a towel (length and width) 	
8 length of your toothbrush 	

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Locate objects at home that are about 6 cm and 80 cm long or tall. Record the name of the object below.

Approximate Length	Object You Found
1 about 6 cm long or tall	
2 about 80 cm long or tall	

3 Jasmine is making cookies for the fourth grade class. The recipe calls for 8 ounces of chocolate chips. She needs to triple the recipe to have enough for everyone, and she is going to add 2 more ounces of chocolate chips to the tripled batch to make the cookies extra delicious. How many ounces of chocolate chips does she need?

a Use numbers, labeled sketches, or words to solve the problem. Show your work.

b Fill in the bubble beside the equation that best represents this problem. (The letter c stands for ounces of chocolate chips.)

○ $8 + 3 + 2 = c$ ○ $(8 \times 3) + 2 = c$ ○ $(8 \times 3) - 2 = c$

4 Jasmine can fit 12 cookies on a cookie sheet. She needs 6 times that many cookies for the whole fourth grade. Jasmine also wants to have 2 cookies for each of the 4 teachers. How many cookies does Jasmine need to make? Show your work.

5 **CHALLENGE** When 2 pieces of rope are placed end-to-end, they measure 40 meters in length. When the 2 pieces are laid side-by-side, one is 10 meters longer than the other. How long is each piece of rope? Show your work.

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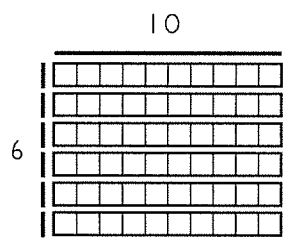
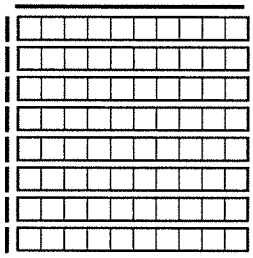
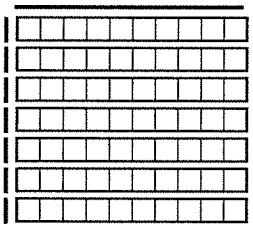
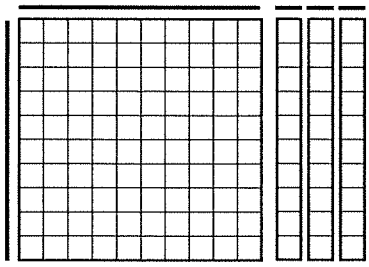
More Multiplying by Ten page 1 of 2

1 For each rectangle below, label the dimensions, find the area, and write an equation to describe the array.

Labeled Array	Area	Multiplication Equation
ex 	60 sq. units	6units × 10 units = 60 sq. units
a 		
b 		
c 		

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2 Write a multiplication equation or story problem in each empty box to complete the table.

	Story Problems	Multiplication Equation
ex	Sarah has 5 dimes. How much money does she have?	$5 \times 10¢ = 50¢$
a	James has 12 dimes in his pocket. How much money does he have?	
b	Larry had 16 dimes in his collection of old coins. How much money does he have?	
c		$10¢ \times 30 = \$3.00$
d		$21 \times 10¢ = \$2.10$

3 **CHALLENGE** Dana has only nickels in her hand, and Ajah has exactly the same number of dimes and no other coins. Together they have a total of 90¢. How many coins is each person holding? Show your work below.