Use the 4 Operations to Solve Problems

Let's use the four operations to solve problems.

Warm-up

True or False: Multiply by 10

Decide if each statement is true or false. Be prepared to explain your reasoning.

- $2 \times 40 = 2 \times 4 \times 10$

- $2 \times 40 = 8 \times 10$

- $3 \times 50 = 15 \times 10$

- $3 \times 40 = 7 \times 10$

Activity 1

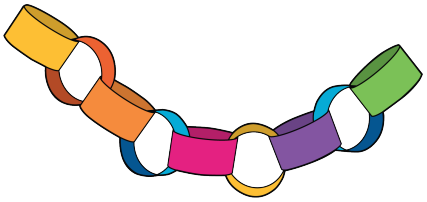
Questions about a Situation

What questions could you ask about this situation?

There are 142 guests at a party. All the guests are in 2 rooms. Room A has 94 guests. Room B has 6 tables that each have the same number of guests. There are 4 pieces of silverware and 1 plate for each guest.

Activity 2

Party Problems



For each problem:

a. Write an equation to represent the situation. Use a letter for the unknown quantity.

b. Solve the problem. Explain or show your reasoning.

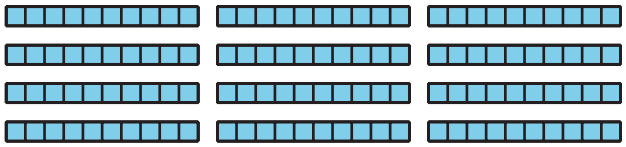
1. Kiran made paper rings each day at school for a party. From Monday to Thursday, he was able to complete 156 rings. On Friday, Kiran and 2 friends made more rings. Each of them made 9 rings. How many rings were complete at the end of the week?

2. Mai has 168 muffins. She put 104 of the muffins in a basket. She packs the rest of the muffins into 8 boxes, with the same number of muffins in each box. How many muffins are in each box?

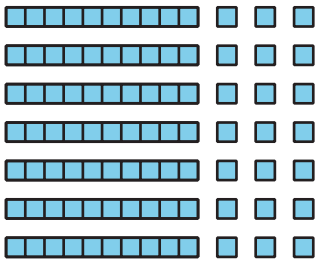
3. There are 184 chairs in stacks. Jada puts some of the chairs at 3 tables. She puts 8 chairs at each table. How many chairs are still in stacks?

Section C Summary

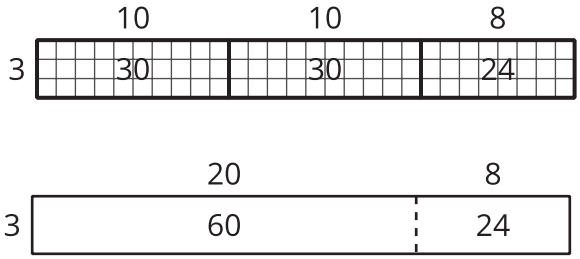
We learned how to multiply 1-digit numbers by multiples of 10. We used strategies to multiply teen numbers and numbers greater than 20.



4×30



7×13



3×28