

**TEACHER:**

To solve word problems involving multiplication or division, students should ask:

- How many things are there altogether?
- How many sets or groups are there?
- How many things are in each set?

Your students should also know (and be able to explain using pictures or concrete materials):

- When you know the number of sets and the number of things in each set, you multiply to find the total number of things.
- When you know the total number of things and the number of sets, you divide to find the number of things in each set.
- When you know the total number of things and the number of things in each set, you divide to find the number of sets.

1. For each picture, fill in the blanks:



\_\_\_\_\_ lines in total  
 \_\_\_\_\_ lines in each set  
 \_\_\_\_\_ sets



\_\_\_\_\_ lines in total  
 \_\_\_\_\_ sets  
 \_\_\_\_\_ lines in each set



\_\_\_\_\_ lines in each set  
 \_\_\_\_\_ sets  
 \_\_\_\_\_ lines altogether



\_\_\_\_\_ lines in each set  
 \_\_\_\_\_ sets  
 \_\_\_\_\_ lines altogether



\_\_\_\_\_ lines  
 \_\_\_\_\_ lines in each set  
 \_\_\_\_\_ sets



\_\_\_\_\_ lines in total  
 \_\_\_\_\_ sets  
 \_\_\_\_\_ lines in each set



2. Draw a picture of...

- a) 10 lines altogether; 2 lines in each set; 5 sets      b) 15 lines; 3 lines in each set; 5 sets  
 c) 4 sets; 7 lines in each set; 28 lines in total      d) 18 lines; 3 sets; 6 lines in each set

3. Draw a picture of and write two division statements and a multiplication statement for...

- a) 21 lines altogether; 3 lines in each set; 7 sets      b) 14 lines; 7 lines in each set; 2 sets