

8. **A.** You will need 144 letters for the whole class.
- B.** Possible student response: I used the graph to make a table showing how many letters each group will need. First I listed the number of letters and then I found out how many letters for each group by multiplying the number of letters by the number of students. I did this for each one until my table was complete.

Then I used the calculator to add up all of the letters to get my answer of 144. I checked my work by adding up all of the numbers and I got the same answer.

$$6 + 12 + 40 + 24 + 28 + 16 + 18 = 144$$

number of letters	letters in group
3	$2 \times 3 = 6$
4	$3 \times 4 = 12$
5	$8 \times 5 = 40$
6	$4 \times 6 = 24$
7	$4 \times 7 = 28$
8	$2 \times 8 = 16$
9	$2 \times 9 = 18$


Student Activity Book

**Family T-Shirts (SAB p. 83)
Questions 1–3**

Responses will vary.

Name _____ Date _____

Family T-Shirts



Dear Family Member:

In class, we solved problems using the number of letters in our first names. Please help your child spell each family member's name on the T-shirts he or she draws for the family. Your child will use these drawings, repeated addition, and other mental math strategies to solve Questions 2 and 3.

Thank you.

1. Imagine your family is making T-shirts with their names on them. Draw pictures of all the T-shirts your family will need. Use the back of this page or other paper for your pictures.
2. If each letter costs 10¢, how much will the letters for your shirt cost? Explain your solution.
3. How much will the letters for all your family cost? Explain how you got your answer.

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T-Shirt Factory Problems
SAB • Grade 3 • Unit 3 • Lesson 1 83