

**Smiley Face Math
Grade 3, Worksheet X**

Name: _____

☺ ☺ ☺ ☺ 1. Nick left for his family vacation on Thursday, May 10th. They traveled for two weeks.

May						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

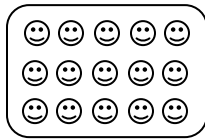
a. How many days make up two weeks? _____

b. On what day did Nick return home? _____

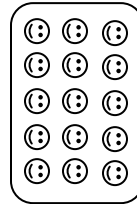
c. What fraction of a month was the family away? _____

d. Put your finger on 3 days after May 1st. Move your finger down 1 row. Move 2 days to the right. Go down 1 row. Move 4 days to the left. What is the date your finger ends up on? _____

☺ ☺ 2. The pictures below show two different ways to think of multiplication.



3 rows with 5 in each row
 $3 \times 5 = 15$



5 rows with 3 in each row
 $5 \times 3 = 15$

Draw your own picture on an index card or sheet of paper, then turn it to show $2 \times 7 = 14$ and $7 \times 2 = 14$. Then draw another one to show that $4 \times 6 = 24$, and that $6 \times 4 = 24$. Explain to your parent what you are showing.

☺ 3.

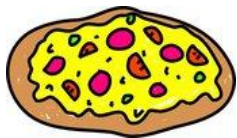


Tampa population:	382,060
St. Petersburg population:	249,079

To the nearest hundred thousand, about what is the population of the Tampa Bay area, which includes both Tampa and St. Petersburg?

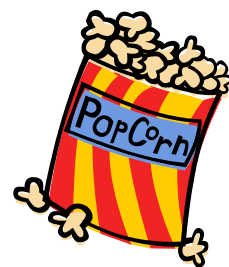
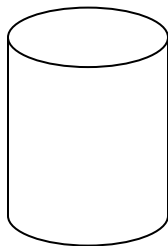
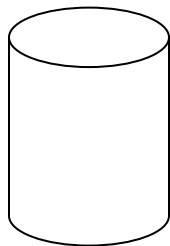
Answer: _____

- ☺ ☺ ☺ 4. Jackie is having a birthday party. She has 14 friends spending the night. How many pizzas would she need to buy if each child, including herself, eats two slices and each pizza has 8 slices? _____ pizzas



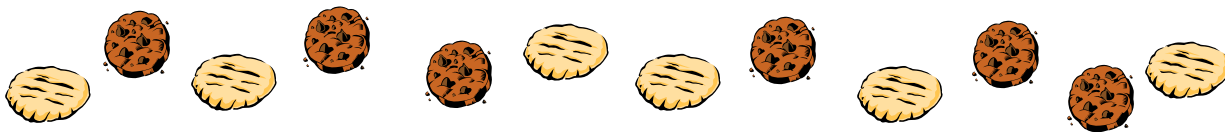
Explain how you got your answer, and what might happen to any leftover pieces:

- ☺ ☺ ☺ 5. Ana bought a bag of popcorn kernels. She needed to fill the 1-cup cans below with kernels, but she only had a $\frac{1}{4}$ measuring cup and a $\frac{1}{3}$ measuring cup. Show two different ways she can measure the popcorn kernels using the $\frac{1}{4}$ and the $\frac{1}{3}$ measuring cup. Use the containers to show your answer and then explain.



- How many $\frac{1}{3}$'s will she need to make one cup? _____
- How many $\frac{1}{4}$'s will she need to make one cup? _____
- Which is more, $\frac{1}{3}$ cup or $\frac{1}{4}$ cup? _____ How do you know?

- ☺ ☺ ☺ 6. Jamie made a dozen cookies to share with Chris. Chris invited two new friends over to share the cookies.



- How many cookies will each boy receive if they all share equally? _____
- If Jamie also invited two new friends, then how many cookies would each boy receive? _____
- If Chris and Jamie had not invited any other friends over, how many cookies would each boy get? _____