RSCS Name:_____

Class:_____ Date:_____

1 Imamu pays $30 each month for his gym membership. What is the change in the amount of money in his account after $\frac{2}{3}$ of a year?

A −$120 **C** −$270

B −$240 **D** −$360

Bob chose **A** as the correct answer. How did he get that answer?

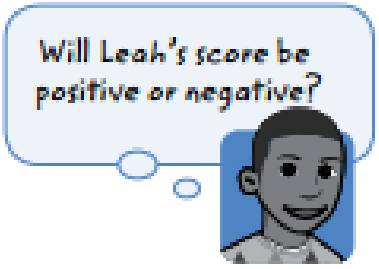
_____

_____

2 Trevon, Leah, and Beth are playing a computer game. Trevon scored −8. Beth's score was $\frac{3}{4}$ of Trevon's score, and Leah's score was $\frac{1}{4}$ of Beth's score. What was Leah's score?

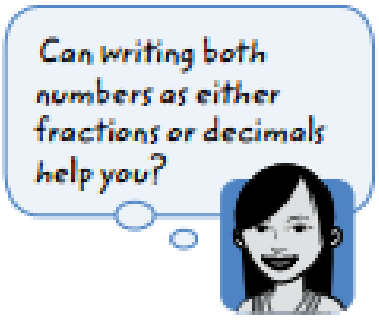
A $-\frac{2}{3}$ **C** $\frac{2}{3}$

B $-\frac{3}{2}$ **D** $\frac{3}{2}$

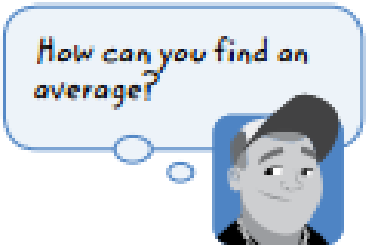


3 Paula cut ribbon from a spool for a craft project. Each piece of ribbon changed the length of the ribbon remaining on the spool by −1.2 feet. When Paula finished, the length of ribbon on the spool had changed by $-9\frac{3}{5}$ feet. How many pieces of ribbon did Paula cut? ***Show your work.***

Solution: _____



4 Craig is making 3 recipes for his party. He has a container of flour on his kitchen scale. The table shows the total change in weight of the flour on the scale after each of the 3 recipes. What is the average change in the amount of flour, in ounces, used in the 3 recipes?



Flour Used	After Recipe 1	After Recipe 2	After Recipe 3
Change in Weight (oz)	-2	$-3\frac{1}{2}$	$-4\frac{1}{2}$

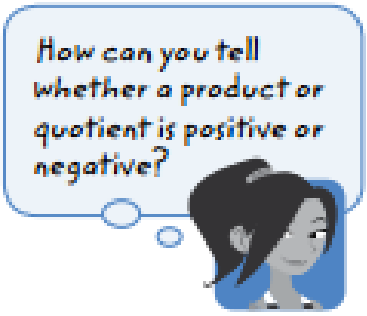
A $-\frac{3}{2}$

B $-2\frac{1}{2}$

C $-3\frac{1}{3}$

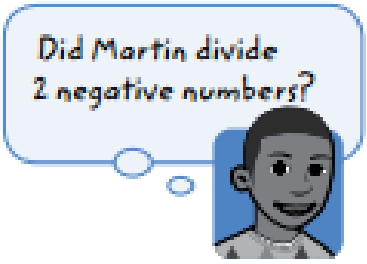
D $-7\frac{1}{2}$

5 On the number line, a and b are rational numbers. Tell whether each statement is *True* or *False*.



a.	$a \cdot b$ is negative.	☐ True	☐ False
b.	$a \div b$ is greater than 0.	☐ True	☐ False
c.	$b \div a$ is greater than $a \div b$.	☐ True	☐ False
d.	$a \cdot b = b \cdot a$	☐ True	☐ False

6 Martin chose two of the cards below. When he found the quotient of the numbers, his answer was $-\frac{16}{9}$. Write the division problem that Martin solved.



Show your work.

Solution: _____