

NAME _____

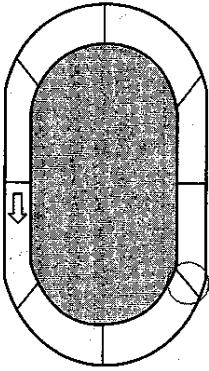
DATE _____

Countdown: 8 Weeks

SCORE _____

1. Every day Rafael runs around the 1-mile track that is divided into 8 sections of equal length. 4.NF.3a, 4.NF.3b

Part A: From the starting line Rafael ran $\frac{11}{8}$ of a mile in the direction shown. Circle the line that shows the location on the track where Rafael ended his run.



THINK SMART FOR SBAC
On the actual test, you may need to click on the screen to show a location on the diagram. In this book, you will use your pencil to circle the location.

Part B: From where Rafael stopped, how much farther does he need to run to reach the starting line again?

$\frac{5}{8}$ of a mile

2. Bonnie put 5 gold coins that each weighed $\frac{2}{7}$ of a pound into a cloth sack. To the sack Bonnie added 4 silver coins that weighed $\frac{3}{7}$ of a pound each. What was the total weight of the coins in the sack? Explain how you found this total. 4.NF.3c, 4.NF.4b

$3\frac{1}{7}$ pounds; Sample answer: I multiplied $\frac{2}{7}$ by 5 to get $\frac{10}{7}$ for the gold coins. I multiplied $\frac{3}{7}$ by 4 to get $\frac{12}{7}$ for the silver coins. Then I added $\frac{10}{7} + \frac{12}{7}$ to get $\frac{22}{7}$ for the total. Simplifying gave $3\frac{1}{7}$ pounds.

3. In the election for mayor, Victor Peña got 142,512 votes and Marley Robins received 142,483 votes. 4.NBT.3, 4.NBT.4

Part A: Who won the election and by how much?

Peña won by 29 votes.

Part B: The election rules state that all results must be rounded to the nearest hundred. According to the rule, who won the election? Explain.

According to the rule, the election is a tie. Both candidates got 142,500 votes when rounded to the nearest hundred.

4. Petra's grandfather lives 6 miles from Petra's home. From home, Petra rode her bike $3\frac{2}{5}$ miles toward her grandfather's house and stopped at her friend Hasan's. From Hasan's, Petra rode another $\frac{11}{5}$ miles and stopped to see her friend Alfie. At Alfie's, how far from is Petra from her grandfather's house? Use the diagram to help explain how you got your answer. 4.NF.3c, 4.NF.3d

$3\frac{2}{5}$ $1\frac{4}{5}$ $\frac{4}{5}$

6

$\frac{4}{5}$ mile; Sample answer I added $3\frac{2}{5}$ and $1\frac{4}{5}$ to get $5\frac{1}{5}$. Then I subtracted $5\frac{1}{5}$ from 6, the total distance, to get $\frac{4}{5}$ mile left.

5. Which of following are equivalent to $\frac{4}{3}$? Select all that apply. 4.NF.3c, 4.NF.4b

- $7 \times \frac{5}{8}$
- $6 - 2\frac{5}{8}$
- $3\frac{5}{8} + 1\frac{6}{8}$
- $35 \times \frac{1}{8}$