

Name \_\_\_\_\_

Date \_\_\_\_\_

5<sup>th</sup> Grade Independent Problem Solving Items

1. Calvin ran  $\frac{1}{4}$  mile to the bridge and  $\frac{1}{4}$  of a mile past the bridge. How far has Calvin run in all?
2. Minda is baking a cake for her Dad's birthday. The recipe calls for 1 cup of flour, 2 cups of sugar, and 2 cups of cocoa. What is the total amount of ingredients Minda needs for the cake?
3. Find the perimeter of the rectangle below.
4. George walked 4 miles on Monday and 2 miles on Wednesday. How much farther did George walk on Monday than he did on Wednesday?
5. Find the perimeter of the triangle below.
6. The Tyler's watched 2 hours on Friday to go down Grandfather's house and 3 hours on Saturday. How much longer did they watch on Friday than on Saturday?
7. Adam used 300 of buttons to build a bird house. How is this written as a mixed number?
8. Tatiana was measuring fabric to make a skirt. It measured 4 feet long. How is this measurement written as an improper fraction?
9. Joseph and Michael each made a chain using chewing gum wrappers. Joseph's chain was 500 long and Michael's chain was 300 long. How much longer is Joseph's chewing gum wrapper chain?
10. Four girls were running a relay race. Allie ran  $\frac{1}{4}$  mile, Michelle ran  $\frac{1}{4}$  mile, Candy ran  $\frac{1}{4}$  mile, and Kim ran  $\frac{1}{4}$  mile. How far did the girls run altogether?
11. A teacher surveyed her class about their favorite type of candy.

Candy	Number of students
Kit Kat	14
Twix	6
Milk Chips	5

What fraction of her students said Milk Chips were their favorite candy? (Simplify first.)
12. How is 0.05 written as a fraction in simplest form?