

It is expected that you spend 30 FOCUSED, UNINTERRUPTED minutes on this homework. Should you reach that time limit and the homework is not completed, an adult at home may sign your work, showing me that you worked hard until the time limit. You will earn 2 points for a completed homework OR a signature.

A rye bread recipe calls for  $1\frac{7}{8}$  cups bread flour and  $1\frac{1}{2}$  cups rye flour. How many cups of flour do you need altogether?

The largest species of praying mantis grows to be about 6 inches long. The smallest species of praying mantis grows to be  $\frac{5}{2}$  inches long. How much longer is the largest species than the smallest species?

A bag of 24 balloons contains 16 yellow balloons. A larger bag of 50 balloons contains 33 yellow balloons. For each bag of balloons, write a fraction in simplest form comparing the number of yellow balloons to the total number of balloons. Are the fractions equivalent?

You have completed 32 problems of history homework and you have 16 problems left. What fraction of the problems have you completed? Write the fraction in simplest form.

You are on a road trip and make a rest stop after being on the road for 85 miles. You have another 55 miles to go until you reach your destination. What fraction of the trip have you completed? Write the fraction in simplest form.

At 31.04 miles, the English Channel Tunnel is one of the world's longest railway tunnels. Write the length as an improper fraction and as a mixed number.

12.

In 1991, Mike Powell set the men's long jump world record with a jump of  $29\frac{3}{8}$  feet. Write the distance as an improper fraction and as a decimal.

11.

Carriage bolts are sold in a variety of lengths. Two carriage bolt lengths are  $\frac{3}{8}$  inch and  $\frac{1}{2}$  inch. How much longer is the  $\frac{1}{2}$ -inch bolt than the  $\frac{3}{8}$ -inch bolt?

10.

In the United States, the five Great Lakes cover an area of 94,710 square miles. The smallest of the Great Lakes, Lake Ontario, covers an area of 7540 square miles. Write a fraction in simplest form that compares the area of Lake Ontario to the total area of all the Great Lakes. Then write the fraction as a decimal to the nearest hundredth.

9.

You are estimating the total distance of a road trip by measuring the distance on a map. On the map, the legs of the trip measure  $\frac{11}{16}$  inch,  $\frac{5}{8}$  inch, and  $\frac{1}{4}$  inch, respectively. What is the total distance of the trip on the map?

8.

At an animal rehabilitation center, the baby rabbits need to be fed every 8 hours and the baby squirrels need to be fed every 6 hours. If the rabbits and squirrels are both fed at 9:30 A.M., when will they be fed again at the same time?

7.

During the summer, you mow lawns for extra money. One customer pays you to mow the lawn every 6 days and another customer pays you to mow the lawn every 9 days. If you mow both lawns today, in how many days will you mow both lawns again on the same day? If today is Monday, on what day of the week will you mow both lawns again on the same day?

6.