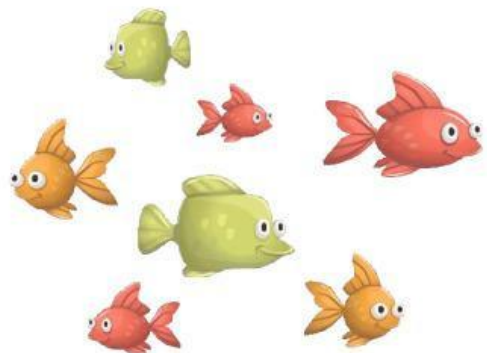


### Grade 5 Word Problems Worksheet

An aquarium has exhibits that feature different marine animals.

1.  $\frac{5}{8}$  of the staff are male.  $\frac{5}{12}$  of the staff works part time at the aquarium. What fraction of the staff is female?
2. The sharks are fed three times a day. During the morning feeding,  $\frac{2}{15}$  of a ton of fish is fed. During the afternoon feeding, the weight of fish fed will be  $\frac{1}{15}$  of a ton more than the fish fed during the morning. If the total weight of fish fed in a day is  $\frac{1}{2}$  of a ton, how much is fed during the feeding at night?
3. A baby otter was born  $\frac{3}{4}$  of a month early. At birth, its weight was  $\frac{7}{8}$  kilograms, which is  $\frac{9}{10}$  kilogram less than the average weight of newborn otter in the aquarium. What is the average weight of newborn otter?



4. The penguin nursery is open two times a day:  $\frac{2}{3}$  hour at noon and  $\frac{5}{12}$  hour in the afternoon. How much time is the penguin nursery open every day?
5. Two kinds of fish can be found in a small tank that is  $5\frac{1}{7}$  feet long. The blue fish is  $\frac{2}{15}$  feet long and the orange fish is  $\frac{7}{10}$  feet long. How much longer is the orange fish?
6. An octopus weighed  $\frac{5}{6}$  kilograms. After two weeks, its weight was increased by  $\frac{3}{10}$  kilograms. But afterwards, it lost  $\frac{1}{5}$  kilograms in weight as it was sick. What is its current weight?