

LO: I can solve word problems involving multiplying fractions.

Look at these word problems. Underline the key information to help you solve it. Show your working out under the question. Remember to solve each question by multiplying a fraction. Remember a whole number can be made into a fraction by putting it over 1.

$$15 = \frac{15}{1}$$

1. 15 friends will want pizza for tea. Each of them will eat $\frac{1}{3}$ of a pizza. How many pizzas will you need?
2. Each panda in the zoo needs $\frac{3}{5}$ of a bamboo plant every day. If there are 14 pandas in the zoo altogether how many bamboo plants does the zoo need every day?

EXT: How many will they need in a week?

3. A man needs $\frac{2}{10}$ of a tank of petrol to drive to work. How many tanks of petrol will he need to drive to and from work in a week?

EXT: If he has 3 weeks off a year. How many tanks of petrol will he use in a year?

4. In a box of chocolates there are 20 chocolates. Each person at the party will get 7 in their take home bags. If there are 35 at the party how many boxes of chocolates will they need?
5. A mummy needs $\frac{9}{11}$ of a pack of bandages to make sure they are covered. In Egypt there are 45 mummies altogether. How many packets of bandages will they need to cover all the mummies?
6. There are 25 pencils in a pack. Each pupil in a class throughout the year will use 3. If there are 30 children in the class how many packets of pencils will they need?

Extra challenge!

If you finish all of these can you write a word problem of your own involving multiplying a fraction?