To understand why **3 divided by 5 equals 0.6**, we can break it down into simple steps.

1. **Understanding Division:** Division is like sharing something equally. When we say 3 divided by 5, we are trying to find out how much each of the 5 parts would get if we share 3 equally.
2. **Setting Up the Problem:** We write this as a fraction: rac{3}{5}. This means we are dividing 3 into 5 equal parts.
3. **Making it Easier to Understand:** If it helps, we can think about how many times 5 fits into 3. Since 5 is greater than 3, we see that it fits **0 times** if we're thinking of whole parts.
4. **Finding the Decimal:** To find out how we can divide it into smaller parts, we can use decimal points. We also remember that dividing by 5 is the same as multiplying by 0.2 (because **1 divided by 5 equals 0.2**).
5. **Performing the Division:** So, we can perform the division by making 3 into a decimal. We can say,:

3 = 3.0 (adding a decimal)

6. Now we divide 3.0 by 5. This helps us see that when we split 3.0 into 5 parts, we will get:

3.0 ÷ 5 = 0.6

7. **Understanding the Result:** This means that each of the 5 parts has **0.6** of the original 3. So, if you had 3 objects and shared them among 5 people, each person would get 0.6 of an object.

To summarize, **3 divided by 5 equals 0.6** because we are trying to share 3 equally among 5 parts, which gives us a decimal of 0.6 for each part.