## DECIMALS

'Division of Decimals - quotient as mixed number'
We have to be very careful while dividing a decimal number by a whole number. The following example will show you a step by step procedure to carry out the operation.

## Example: DIVIDE!

4
Step:1
 $-24$

0

Step:2
 quotient area and 6 under 7 .
Next, we'll carry out subtraction i.e. 7-6=1.

Now, $6 \times 1=6$, and $6<7$, so we'll write 1 in the
We'll start division as we do for whole numbers. $6 \times 4=24$, so we'll write 4 in the quotient area. Since a decimal point comes after 24, we'll put a decimal point after 4 in the quotient as then we'll proceed to the next number which is 7 .
4.12
$6 \longdiv { 2 4 . 7 2 }$
Step:3


Now, since $1<6$ we'll bring down 2 with 1. Now $6 \times 2=12$, we'll write 2 in the quotient area and 12 under 12. Next, we'll carry out subtraction i.e. 12-12=0. And we are done!

$$
24.72 \div 6=4.12
$$

