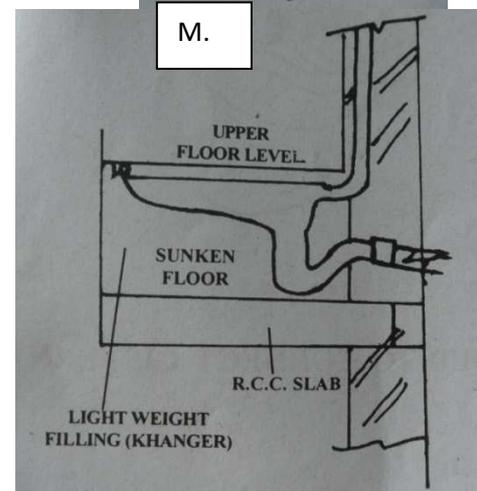
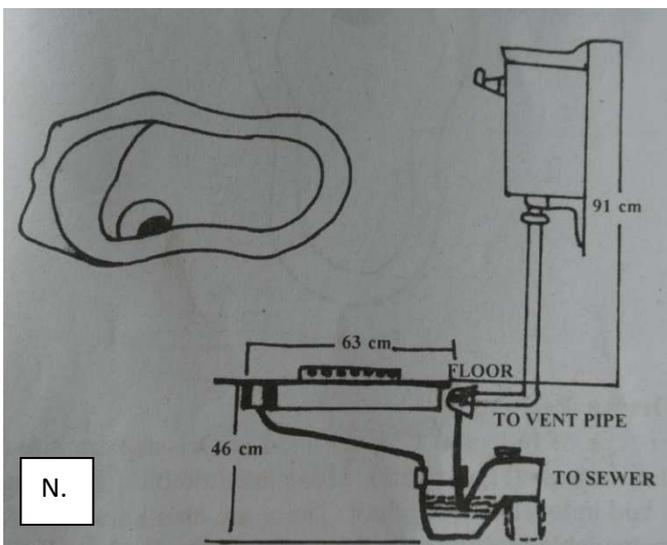
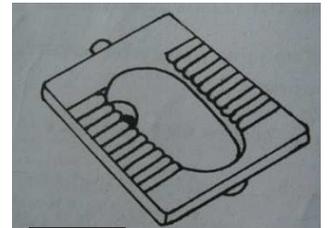
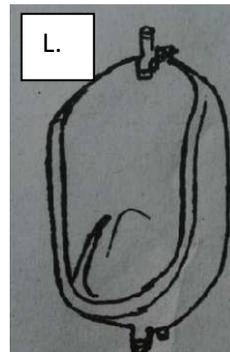
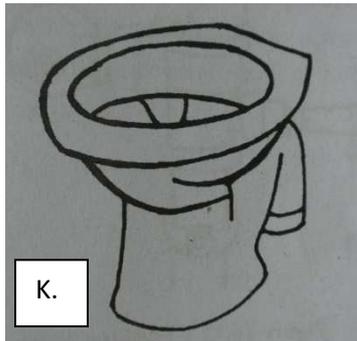
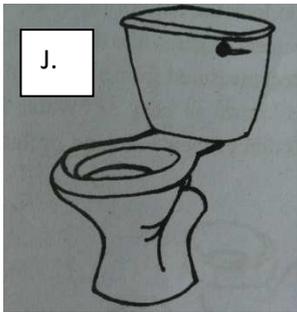
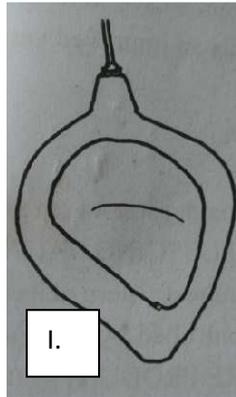
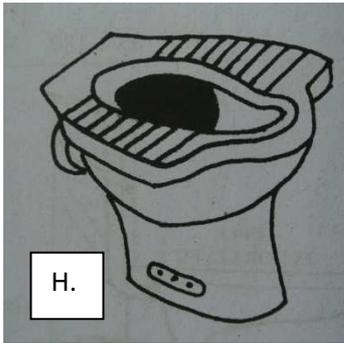


# Toilet Plumbing.

Here is a selection of different types of W.Cs and urinals. Can you match the pictures to the names below?



- A. European water closet
- B. Indian style W.C
- C. Urinal corner (to be fitted at a junction of two walls, i.e. in a corner)
- D. Orissa Pan
- E. Anglo Indian Closet
- F. flat back urinal
- G. European water closet with attached cistern

The correct answers are: AK, BN, CI, DM, EH, FL, GJ.



Now find a partner and pretend that they have never seen a W.C or a urinal before. You must explain to them in detail what they are, how we use them and why we need them in our house.

Here is a short definition of a W.C and Urinal:

### W.C

W.C stands for 'Water Closet'. It is a pan made of china that is fitted in a toilet block where human waste can be excreted and carried away through a drainage pipe called a 'soil pipe'. This waste is carried away from the house and into a septic tank or sewage system.

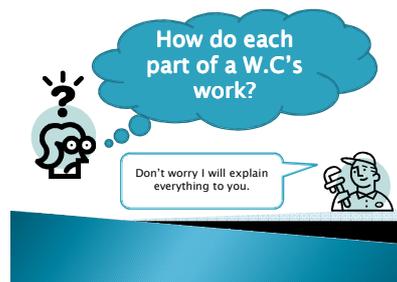
### Urinal

A urinal is a specialised toilet used for urinating into. It can be a simple wall or container that has a drainage pipe and a manual or automatic flushing system.



Now let's look at how each part of the W.C works. This is very important to know because if our toilet breaks we need to know how it works to be able to repair it!

Click on the link below to watch my PowerPoint and everything will be explained.



**Activity:** Take a trip to your local shops and research the price and availability of these different toilet fixtures.

Whilst you are looking around discuss these questions with a friend:

- a) Which types are the most expensive?
- b) Are all these fixtures available in a range of colours?
- c) Are all they all available to buy in your area or do they need to be ordered in?
- d) Which type of wash basin, W.C and urinal do you prefer and why?
- e) Which types are most popular in your area?

Now using the results from this research and looking at the blueprints we made earlier, select which fixtures you think would be the most suitable for your toilet. Explain your decision with a friend before purchasing them.



We are now almost ready to begin fitting our new toilet fixtures! I am going to show you step by step how to install an Orissa pan.

First read through my steps, I will then quiz you at the end. If you feel confident after the quiz then you can begin fitting your W.C using these steps as a guide.

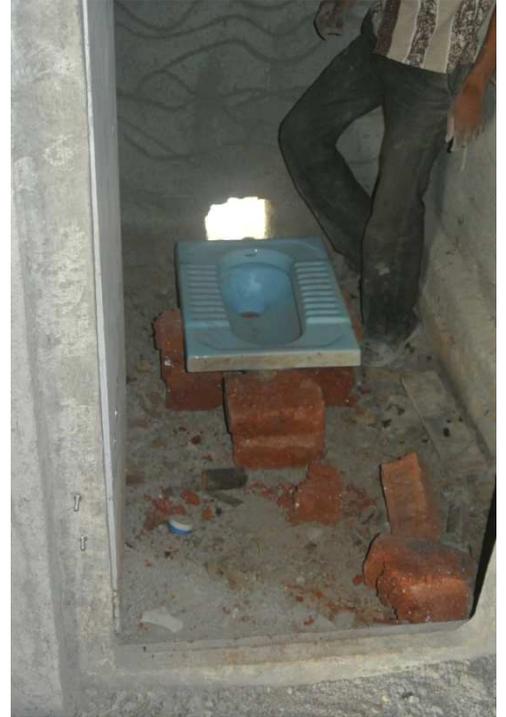
### Step 1:

First remove any large rocks or concrete lumps from the floor of your W.C room as these will make it hard for you to level the ground later. Then look at your blue print and place you W.C in it's appropriate place. This should be where the opening of your P trap or S trap is.



## Step 2:

Put cement around the opening of the P trap or S trap and lower the W.C onto it. The W.C will need to be placed at floor level so bricks are required to raise and support the weight of the W.C. To ensure the W.C is at floor level you can use some thin tubing for levelling. You must also use a leveller to ensure that the W.C is not placed on a slant.





### Step 3:

Concrete the W.C onto the bricks to keep it in place and fill the surrounding area with small rocks.



#### Step 4:

Now use smaller stones and earth to fill the area around the W.C up until the rim. Make sure that these stones are roughly level.



#### Step 5:

Concrete over the stones so that floor is level and even.



## Step 6:

The final step is to tile the floor. To do this you should refer to our tiling section which comes after this lesson.

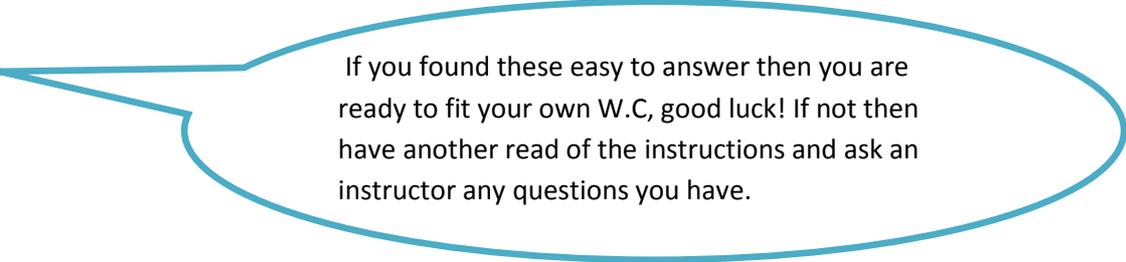


If the W.C doesn't have a flush mechanism it is important that we remember to install a tap so that the user can manually flush the W.C.



### Quiz time:

1. What must we do to ensure that there is no leakage between the P trap/S trap and our W.C?
2. What are the safety precautions we must take when concreting?
3. What would tell us if our W.C was on a slope and why do we not want a sloping W.C?
4. How can we ensure that our W.C is at floor level?
5. How do we know where to place our W.C?



If you found these easy to answer then you are ready to fit your own W.C, good luck! If not then have another read of the instructions and ask an instructor any questions you have.