Unit 202: Changing practices over time

# Worksheet 1: Pre-1919 construction methods (tutor)

Task 1: Draw a line to match the imperial copper pipe measurement to its metric equivalent.

1 ½ inch 15mm

½ inch 35mm

1 ¼ inch 22mm

¾ inch 28mm

1 inch 42mm

Task 2: Work on your own to answer the following questions.

1. Briefly describe the problems associated with a shared cold water main.

This pipe provides water to a few houses from one single connection to the water main. Supply pipes are often run in lead which has a small internal bore. Pressure may be affected by other households sharing the main, leading to poor water pressure during peak demands.

1. What do the letters DZ, stamped on a modern brass fitting, mean?

Dezincification resistant

1. What does the abbreviation RWG mean in relation to below ground drainage systems?

Rainwater gully

1. State three symptoms of a cracked or collapsed drain.

Accept any three of the following:

Foundation and wall cracks

Slow drainage

Foul odours

Leaking sewage

Mould on wall or ceilings

1. What type of plastic can be used to supply hot and cold water to the draw off point inside a domestic property?

Polybutylene

1. Explain the dangers of a collapsed chimney.

A collapsed chimney will affect the draw of air, potentially leading to deadly products of combustion entering the property, posing immediate danger.

1. What does the abbreviation S&VP mean in relation to below ground drainage systems?

Soil and vent pipe

1. List two hot or cold-water pipe jointing methods that don`t require a hot works permit.
2. Press-fit
3. Push fit
4. Modern day below ground drainage systems separate surface and foul water. Explain why combined drainage systems had to be changed over the years.

As towns and cities expanded. separate sewers were to be introduced to accommodate the increased volume of surface and foul water. As the drains are separate, the treatment works do not get overloaded during heavy rainfall.

1. What plastic is commonly used as the underground mains and the service pipe to a property?

MDPE (Medium Density Polyethylene)