# Unit 112: Construction operations and civil engineering operations

# Worksheet 18: Modular paving – materials (tutor)

**Task 1**

Identify the materials that would be used when laying paving.

Circle your answer.

1. This type of material is used for the bottom layer of the patio or pavement.



1. This type of material is used for the surface layer of the patio or pavement.



1. This type of material is known as the bedding layer.



1. This type of material is used for binding materials together in mortar or concrete.



**Task 2 –** Answer the questions below.

1. This type of material is used for the surface layer of a path.

Block paving

1. What type of materials can block paving be made from?

Concrete or clay

1. This material can be recycled from demolished buildings or concrete.

Sub base

1. This type of material is what fills the joints in the block paving.

Kiln-dried or silica sand

1. This type of material is used for the bedding layer.

Sharp sand

1. This type of material is used for the bottom layer of a block-paved area.

Granular sub base

**Task 3**

Identify each material from the clues and write the name in the table.

|  |  |
| --- | --- |
| Material clues | Material name |
| This material has many uses.  It can come in different sizes and colours but not the yellow or building kind.  Its particle size ranges from 5mm to dust.  Can cause silicosis if inhaled. | Sand |
| This material can come in varied sizes ranging from 5mm to 40mm and over.  This can be naturally occurring or made from recycled material / demolition sites.  Colours can be blue, grey or yellow depending on where it is quarried. | GSB  Granular sub base |
| This material can have various shapes, sizes, textures and colours.  Sizes include: 300 x 300mm, 450 x 450mm and 600 x 600mm etc.  These can be also natural material or man made from concrete. | Paving slabs |
| This material is used in a variety of construction projects.  It can be quite dangerous and can burn your skin.  It is a material that is needed to set or harden the mixture.  It only has a six-month shelf life. | Cement |