Unit 107: Working with brick, block and stone

# Worksheet 12: Mortar materials (learner)

Learners can discuss in small groups and then work independently to answer the questions.

1. What two types of sand can be used for mixing mortar?
2. Explain why sand must be ‘well graded’?
3. Why must a ‘silt test’ be carried out on sand used for mixing mortar?
4. What is the name of the chemical reaction that causes cement mortar to harden?
5. List **three** different types of cement that can be used in mortar.
6. When using a chemical plasticiser, what does the term ‘air entrainment’ mean?
7. Why is it important to use water that is ‘potable’ when mixing mortar?
8. List **two** additives that can be used in a mortar mix besides plasticiser.