Unit 201: Employment and employability in the construction sector (Learner)

# Worksheet 12: Effective problem solving

**Task1:** Read the scenario provided, then answer the questions that follow.

You are a construction worker working on a private project to build a three-storey house. You are responsible for installing the roofing material on the building. The client has changed their mind on the roof covering. The new roofing material was supplied by the client and the architect has not provided you with any specifications or guidelines regarding the material. You are not familiar with this particular type of roofing material as you have not used it before, and you are not sure if it meets the local building regulations.

1 What steps would you take to find out if the roofing material you are using is compliant with local building regulations?

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2 What are the consequences of using non-compliant roofing material?

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3 Why is it important to involve your supervisor in this situation?

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4 How would you approach your supervisor about your concerns?

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5 What could you do to prevent a similar situation from occurring in the future?

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**Task 2:** As a self-employed tradesperson in the UK, effective problem-solving skills are essential for your success. Put the steps below in order in the spaces provided.

*Generate solutions Evaluate the solutions Define the problem Gather information*

*Evaluate the outcome Implement the solution*

Step 1

Step 2

Step 3

Step 4

Step 5

Step 6

**Task 3:** Using the space provided, answer the questions that follow related to problem solving in the construction industry.

1. What is the first step in solving any problem?

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2. What should you do when you have identified the problem?

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3. What should you do after gathering all the information about the problem?

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4. How should you evaluate each solution after brainstorming?

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5. What should you do after selecting the best solution?

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6 What should you do after implementing the solution?

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