201: Health and safety in building services engineering  
**Worksheet 8: Firefighting**

**Answer guide**

1. **What are the three elements that make up the fire triangle?**

* **Heat**
* **Fuel**
* **Oxygen.**

1. **Identify which class of fire each of the descriptions below refers to:**
   1. fires involving liquids or liquefiable solids.

**Class B.**

* 1. fires involving cooking oil or fat.

**Class F.**

* 1. fires involving solid materials, usually of an organic nature.

**Class A.**

* 1. fires involving gases.

**Class C.**

* 1. fires involving metals.

**Class D.**

1. **A wood fire has started in your place of work.**
   1. Which type of fire extinguisher should be used to put out the fire?

**Water extinguisher.**

* 1. How would the correct extinguisher to be used on this fire be identified?

**By a red panel.**

* 1. What are the possible risks of using this fire extinguisher?

**Care must be taken if using near electrical equipment or wiring, as there is a risk of electrocution.**

1. **An electrical fire has started in your place of work.**
   1. Which type of fire extinguisher should be used to put out the fire?

**Powder or CO2 extinguisher.**

* 1. How would the correct extinguisher to be used on this fire be identified?

**Blue panel for powder extinguishers; black panel for CO2 extinguishers.**

* 1. What are the possible risks of using this fire extinguisher?

**The fumes from a CO2 extinguisher can be harmful; area must be kept ventilated.**