

Knowledge and Understanding

Production processes

Analysis

<b>Job production</b> 	Is the process of production where products are made individually
<b>Batch production</b> 	Is the process of production where one type of product is made and then production is switched to make a different product
<b>Flow production</b> 	Is production of one product that takes place continuously using a production or assembly line. This is sometimes called mass production.
<b>Automation</b> 	Is a production process involving machinery that is not controlled by a person but usually controlled by a computer
<b>Robotics</b> 	Is the use of robots in the process of production
<b>Production processes</b> 	Are the three methods or processes of production - job, batch and flow

Advantages of technology in the production process	Disadvantages of technology in the production process
<ul style="list-style-type: none"> <li>• <b>Costs are reduced</b> as the <b>number of workers required is reduced</b></li> <li>• Machines can be more <b>accurate - improving quality</b></li> <li>• Machines <b>can work 24/7</b></li> <li>• Production can be more <b>flexible</b> because the machine can be programmed to make different products</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Workers may be redundant</b> adding to the short term costs to a business</li> <li>• <b>New, skilled workers</b> may need to be recruited</li> <li>• Workers may need <b>training</b> which can be <b>expensive</b></li> <li>• Machines can <b>break down</b> and this will <b>disrupt</b> production</li> <li>• It can be <b>expensive</b> to buy and finance</li> </ul>

	Job production	Batch production	Flow production
<b>Advantages</b>	<b>High-quality products</b> Can be made to <b>meet the needs</b> of customers	Batches are made to <b>meet specific orders</b> from customers <b>Costs can be reduced</b> by using some specialist machinery	<b>Large amounts</b> can be made <b>Unit costs are lower</b> Products are made with <b>accuracy</b>
<b>Disadvantages</b>	<b>Costs of production will be high</b> <b>Labour costs may be high</b> -skilled labour	It takes <b>time to switch production</b> It may be necessary to <b>keep stocks of materials</b> to be able to switch production Tasks may be <b>repetitive</b> and <b>boring</b>	<b>Very expensive</b> to set up a production line If the <b>production line stops</b> this will be <b>very costly</b> Jobs can be <b>repetitive</b> and <b>boring</b>

**Exam questions**

'Delicious Cakes' is a successful business employing 10 employees. They focus on making unique, tailor made cakes to meet specific customer needs and have strong customer loyalty. They are renowned for their spectacular wedding cakes that are decorated with intricately designed flowers. The minimum price for one of their wedding cakes is £700.

**Knowledge**

1. What is meant by the term 'job production'? (1 mark)

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2. What is meant by the term 'batch production'? (1 mark)

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**Application**

3. What type of business is Delicious Cakes? Who is their target market? (2 marks)

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**Analysis**

4. Analyse one benefit of 'Delicious Cakes' using job production (3 marks)

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5. Analyse one drawback of 'Delicious Cakes' using batch production (3 marks)

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