

Class 4 Design Technology: Textiles Assessment

Learning objective: To demonstrate understanding of textile properties, sewing techniques, and purposeful product design.

Read each question carefully. Use the word bank to help you with your answers. Make sure to explain your reasoning clearly.

Max the monkey is helping the BookFlik team design a new pouch to hold their favourite reading glasses. He wants to make sure the fabric is strong enough to protect them and that the pouch stays closed safely while they are out on adventures.

Word bank: template · running stitch · textile · fastening · seam allowance · synthetic · natural · durable

1. Max has two pieces of fabric: one made of cotton (a natural fibre) and one made of polyester (a synthetic fibre). Define the difference between a natural fibre and a synthetic fibre. (2 marks)

2. Why is it important to leave a 'seam allowance' when cutting out your fabric pieces before sewing? (2 marks)

3. Name two different types of fastenings that could be used to keep Max's glasses pouch closed. (2 marks)

4. Describe the process of a 'running stitch'. Why is this a useful stitch for joining two pieces of fabric together? (4 marks)

5. Zara the zebra suggests using a paper template before cutting the fabric. Explain why using a template is a better method than drawing directly onto the material. (3 marks)

6. Max decides to sell his pouches at a school fair for £3.50 each. If he sells 4 pouches, how much money will he have raised in total? Show your working. (3 marks)

7. Design a small textile accessory (like a bookmark, a pencil case, or a coin purse). In your description, name the textile you would choose and explain why it is suitable for the item's purpose. Consider how you would join the fabric and what fastening you might add. (5 marks)

Draw: In the space below, draw your design for the accessory you described in the final question. Label the materials and the type of stitch you would use to join the edges.



Extension challenge: Total: /25