Name: Class:

# Task 1

1. A manufacturer of children’s toys wants to develop a toy that is aimed to keep young children, in the rear of the car, occupied on long journeys.

The toy will have the following features:

* Displays films and videos
* Plays music
* Has objects at the sides, such as squares, circles and triangles that move in and out in time with music

(a) The device will need a display to show the films and videos.

State **two** other output devices that the toy will need.

(b) Choose **one** technology for the display and justify your choice.

Either choice is acceptable with the correct justification.

# Task 2

1. There are two types of technology that are used in projectors.

State what each technology is and describe how it works.

2. Research DLP and LCD projectors and complete the table below to show the advantages and disadvantages of each.

**Advantages and disadvantages of DLP and LCD projectors.**

|  |  |  |  |
| --- | --- | --- | --- |
| **DLP advantages and disadvantages** | | **LCD advantages and disadvantages** | |
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